OPPack Silver: "eteggering economics and environmental sepects mede this pack etend out"

### **BUTTER WRAP** Continued from front page

Corti ag of Kirchberg and Hifipae sa of Lausaune.

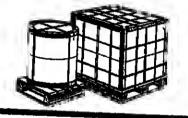
Opp sachets which also registered a 60 per cent reduc-

tion in material usage featured for the Silver Award winners, Cocchioni srl and Di Va Int'l Trading srl, producers of paper and cotton towelettes hased in Foligno, Italy.

The opp laminates used

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for Fria and Limpia sachers and Alitalia packs were converted by Italian company,

> paper/alufoil/pe structures. The judges found "the sheer economics and environmental aspects of the pack staggering" as well as praising the resulting 60 per cent increase in machine specils.

"Clearly the environmental

### LICENCE PRESSURE Continued from front page

packs with more comprehensive patient information will make it difficult for companies to leave their own products as they are, even when immediate change is not required under the legislation.

Prescription-only and some cartonless OTC products such as cough mixtures are likely to be most affected. With an increasing choice of UK and foreign prescription products supplied with leaflets, pressure will grow on all manitfacturers to conform.

For OTC products, information for patients must include all inactive ingredients, interactions, overdose advice and side effects. In many cases this will mean that more space

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SPECIALISING IN -

OPPack Bronze: "cleen, easy to understand, treditional graphics for the consomer purchase" aspects of this opp structure, especially in comparison with the previous specification Morgan Spa and these made this pack stand out even replaced the previously used more," said Mr Pritty.

Taking the Bronze award was Switzerland-based Ami ag for its hiscuits wrapped in a reverse printed Bicor 25 MB 666 laininated to OPPalyte 35 MW 647 which, along with the other awards, replaced a ! paper/alufoil/pe pre-made bag.

> will have to be found, whether on leaflets inside cartons or incorporated into lahels.

Although larger bottles and jars might find space on the pack, smaller containers are more likely to need additional space. This may mean that whole ranges of product in different sized containers will use cartons or leaflet labels, in the interests of consistency.

### "Point size stipulations"

There are no stipulations as to point size on labels of instructions, but the Medicines Control Agency (MCA) insists that text must be legible and easily comprehensible. Copies of guidelines or further advice can be obtained from the agency

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It was converted by Swiss converter, E Piciotti sa.

Graphics were said to be one of the main reasons behind this winning entry as they inade it clear to the consumer what they were purchasing, and in addition were clean, easy to understand and traditional.

Closing the award ceremony, Mr Pritty said that it was a shame that all of the 20 entrants could not win awards 

on 071-273 0288.

Suppliers of one of the systems offered for increased information - leaflet labels emphasise the security derived from two rather than three pack components and the benefits of keeping the instructions attached to the pack.

There is no danger of mixing pages of different leaflets during production, since they are all folded from a single sheet, says Andrew Walker, production manager at David J Instance/ Inprint Systems (Foster Road, Ashford Business Park, Sevington, Ashford, Kent TN24 OLQ - tel: 0233 6473,33).

Competition for this Incrative area of pharmaceutical and other leaflet labelling has been highlighted by the high court and county court decisions regarding a patents dispute as the competition for second concluded.

Further information on the OPPack Awards is available from Mobil Plastics Europe (UK: 1 Towers Place, En. Street, Richmond, Surrey TV

between David Instance at Denny Bros Printing/Fix-

The dispute has been settled with two David Instant patents remaining in force Denny Brow and Fix-a-Form have been granted licenses under these patents, with the specific terms undisclosed.

A database with access for Denny Bres (Mildenhall Red 11'32 6NU - tel: 0284 70130) the pharmacemical, prometional and retail sectors has also

been created.

and third places was extremely close. "The overall winner are in our opinion, howeverte and away the best entry,"b

IEG - rel: 081-332 6261).

CERCLE NUMBER BEDF! Form International.

example, to legislation regading on-pack informational promotions has been set up by Bury St Edmunds, Suffell A dedicated sales team to cose:

DAVIO INSTANCE: CIRCLE NUMBER TEDF CIRCLE HUMBER TRIBLE

# Findus ready meals board tray switch

Nestlé UK has switched its frozen ready meals sold under the Findus and Findus Lean Cuisine brands out of plastics and foil containers and into Bowater Ovenable Boatd Trays. These brands are the first national ready-made meals to

make this switch. The adoption of Bowater board trays for such mainstream and premium brand leaders as Findus is a real marketing landmark," says Bowater Foil & Paper Products (Sunbury-on-Thames, Middlesex TV16 5JQ - tel: 0932 785272, fax: 761927) sales

says Mt Pamment. "Our research showed that the nature of the tray is a low consumer priority," says John Montgomery, senior

change in packaging material,



programme of testing and consumer performance trials.

"Plastics trays were an extra

cost to Findus yet conferred no

extra product value to the cus-

tomer. Foil is economical but

product convenience is reduced.

Pressed board costs less than

both plastics and moulded

fibre yet performs just as well.

So the move to Bowater trays

enabled us to provide con-

sumers with dual-cook conve-

nience in a cost effective way,"

Benefits claimed to have been achieved are cost reduction, deep freeze to dual-oven performance and among customers enhanced brand perception of modernity and environmental responsibility.

brand manager for Findus Recipe dishes.

Before deciding on the Nestlé carned out an extensive

Bowater produced tooling to match Nestlé's Euro 3 plastic profile. The trays are formed by heat and pressure in 390gsin ovenable board with a white pigmented inner pet coating for enhancing appearances before and after cooking. Outside the trays have a

says Mr Montgomery.

grey speckle pattern which found favour in production line trials. Bowater tests performed well and the change of tray materials has required no more than minor adjustments of side belts and scaling times at Findus' plant in Longeaton.

Five objectives were laid

down for the plan which

included the group meeting its

own costs for funding collec-

tion and processing with the

establishment of mechanisms

son for Incpen, says: "Yes, there

James Devereux, spokesper-

to raise these sums.

# Palletising system gives time and space benefits

offered with a multi-function tray collation and display palletising system from Finnish company Maxim Oy, available in the UK through Mancon.

THE COMPLETE NEWS SERVICE FOR BUYERS OF PACKAGING EQUIPMENT, MATERIALS AND SERVICES

gle operation.

layer-tray pos units, are popular in Scandinavia. They save on shelf-loading time for store staff and provide pallet stability while saving materials that would otherwise be used in individual display/ transit trays or cartons.

The fully-dedicated and .

Continued on beck page

# WHAT'S Easy open Issues The search for easy open solution will find a focus in a symposium organised by the iOP. Nuts and bolts of the PPMA A look at the workings of the Processing and Packaging Machinery Association. Transmission system 16

FEBRUARY 1994

Time and material savings are

Space sayings are another benefit of the system, which combines pallet indexing, collation forming, layer sheet placing, folding and gluing as a tray, palletisation and pe film pallet wrapping in a sin-

Display pallets, where palet loads are used directly as

automatic ConsbiWrap works from a dual infeed to build up collations of product on the stripper plate. Layer by layer the pallet is built up and trays formed with a folding and hot

News Than We begin a regular feature which will take readers from the launch o PN up to the title as it is now. FEATURES

Cartoniass tubes

The drive to reduce retail pack volumes is leading German companies in particular to use robotic systems for direct loadir tubes into transit/display trays.

t was Peckaging

Laballing, coding
and marking 27-41
We highlight the latest product and
installation news across like
labelling and coding spectrum and
examine case studies in laser coding
and in-store barcode scanning.

REGULARS

ompany Navis Ecylronment News 22-23

CLASSIFIED ADS start on page 58 APPOINTMENTS start on page 62

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PACKAGING NEWS/JANUARY 19%

### PRG announces recycling plan The final touches were being put '93) in order to safeguard the to the Producer Responsibility paper/board and recycling

Group's recycling and recovery ure plan, as Package News went to press. PRG says it expects to present its plan, which will address recycling targets and how to go about creating a market for recycled materials, as well as a timetable for doing so, to John Gummer, Secretary of State of the Environment, on February 7.

The long-awaited plan will then go into a public consultation period for around two months. An interim plan was presented to the government late last year (PN December

"Growing anxiety"

While the publication of

targets, largely expected to be

in line with those proposed by

the European Union's Packag-

ing directive, and how to get

infrastructure.

there is welcomed, there seems

to be growing anxiety in industry over the voluntary nature of the plan. The sticking point between the group and the government also

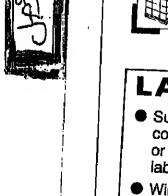
is a genuine feeling that the plan has got to be backed up by legislation." However, Mr Gummer has been keen to comphasise that it is the producer's responsibility. In addition, there is no time within the parliamentary calendar for at least 18 months for any compliance legislation.

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THE PAGES FOR PACKAGING PRODUCTION & PRINT PAGE 42





Back to basics this month with the more practical side of packaging coming to the fore again and the whole issue of openability. This is, of course, an issue that never really leaves the forum, but the ppalling lack of progress in this area means that it is not always casy to comment on.

This is not to say that the editorial office of Packaging News does not receive articles describing easy opening features at great length, but whether the consumer concurs with these often glowing descriptions is another matter.

After all, what the marketing manager describes as consumer friendly and easy to open are attributes not always appreciated by his/her peers or parents, and certainly not by the grandparents. Recent complaints to The Packaging Council bear this out.

This is why the Institute of Packaging (IOP) has put together a one-day symposium on the subject to be held in April (see page 9). Says Harold Redwood, IOP board member and honorary organiser: "The grey consumer has a greater spending power than is currently reflected in terms of easy usage of retail packaging so we confidently expect our audience to come from food and drink manufacturing, retailing, distribution and packaging manufacture as well as those responsible for the caring of those with physical disability, partial sightedness or of advancing years."

Indeed, I have the task of chairing the day, so I look orward to hearing from both sides and hope that some progress at least can be made.

As the Institute of Grocery Distribution said at the launch of its three year initiative on openability last year: It is a socially unacceptable fact that some 49,000 UK consumers need hospital treatment from injuries through opening grocery packaging each year.

The packaging industry is sometimes accused of not coming forward with innovative solutions at either the right apecd or in great enough numbers by fast-moving consumer goods manufacturers. How then do we explain that even though easy open toar strips were available for sachets in the 50s (as reported in Packaging News at the time) your pub meal can still go cold before you've got your ketchup on it today...?

Traditionally, the answer has been cost, or on-cost. But what cost turning off the grey consumer from your brand? And what cost to your brand from those 49,000 people who end up in hospital, telling all their friends and relatives on the way to out-patients?

And why is it for instance that pet food cans have sported easy open ring-pull can enda before baked beans cans? What criteria do brand managers use when making the decision to include an easy opening device on their packs or not?

See you at the symposium. Gail Lea, Editor

# **Honesty on composting**

up for tonnage production using Zeneca's biodegradable polymer Biopol, a European drive to see up composting as a serious waste management option is eentering on northern Enrope. Taking the lead in expand-

ing composting schemes beyond the pilot stage are the German Länder, in particular Lower Saxony, Estimates there, put the proportion of households with access to composting systems as 10 per cent, with a target of at least 50 per cent by 1995. Hessen is also keen to build up the contribution of composting to waste management.

"In other nations, most shamefully I think the UK, the best we can see is the odd pilot project, largely hidden away from public and political view," Brian Watt, commercial manager for Zeneca Bio products, told a recent congress.

The manufacturer of

Products exhibited at the

British Growers Look Ahead

show last month included pre-

packed young ornamental plants from R. Delamore Ltd.

elam packs from Dutch com-

pany Voges Verpakking (PO

Box 66, 2180 AB Hillegom,

Netherlands - tel: 010 31 2520

15265, fax; 19231). Display

trays are supplied by David S

Smith, Ely ('Queen Adelaide',

663355, fax: 666900).

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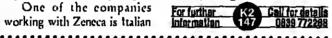
Patio Packs are recycled pet

naturally occurring bacreria sees its task as being more difficult because some consumers mistakenly associate the material with discredited products.

"Wariness difficulty"

One of the difficulties to overcome is the wariness of the compost industry about the effect these polymers will have on their own end product. In particular there are concerns about possible contaminants such as inks, voiced last year by the Lower Saxony environment minister Monika Griefalm.

posting is being run at the University of Leeds on March 4 Environmental groups had objected at the launch of the 1994. There will be presenta-Wella Biopol bottle (see PN tions from Babtie Environ-May 1990) that biodegradabilimental, Envirotee, IPS, ty was a "red herring" detract-Yorkshire Water and the uniing from reuse and recycling. versity. Ring 0532 347158. One of the companies



Tencati, product manager, is

optimistic about the future of

biodegradable polymers. He

sees no reason why recycling

and composting cannot operate

as parallel waste management

systems. This would entail the

urgent introduction of a mater-

ial identification system to

allow source separation, and

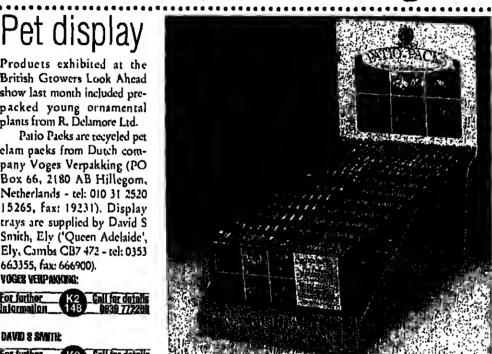
this is currently being

addtessed on a European level.

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0642 523340, fax: 523248).

Early approval of Biopol



### Patio Packs: presented for sales in gerden centres and other outlets A faster enquiry service

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For more details, contact Julian Maddocks, Publisher of Packaging News (Maclean Hunter House, Chalk Lane, Cockfosters Road, Barnet, Herts EN4 OBU - tel: 081-242 All calls are charged at the 3145, fax: 081-242 3154).

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Annual subscription 260 for UK and Europe. Elsewhere in the world by aionail £90 or £60 by sea mail. ISSN 0030-9133 Olrectorata: Donglas Weight (managing director), Denis lones, Ronald Cisborne, Harvey Borning (vice president,

A Maclean thinger Publication Maclean Humer House, Chalk Line, Cockhisters Road, Barnet, Herts ENI OBU Fax: 081 242 3154 Northern Offica: Carrington Business Park, Urmston, Manchester M31 4QW - rel: 061 776 4015, fax: 061 777 6628 Otigination: PRS, Hunringdon.

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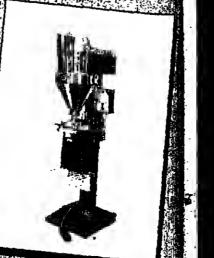
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ABC BUSPIESS PRE rculation 18,864 (Jan-Dec 199

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# Self-chill can breakthrough

For over 100 years inventors have been trying to come up with a self-chilling ean; within 12 months this may be a reality for the UK lager and soft dtinks market, with the launch of the ChillCan, invented by Briton Michael Anthony and patented by MicroCold Technologies Inc (MTI) part of The Joseph Company, a US bever-

One of two self-chilling technologies being looked at currently, the ChillCan works on the basis of the evaporation of liquefied gases.

MTI and its European distributor Arctic Europe (UK) Ltd (211 Piccadilly, London WIV 9LD - (d: 071-917 2935, fax: 071-439 0262) have certainly whet the appetite of the six major UK breweries and soft drinks producers. "The response has been absolutely fantastic," says Murdoch Gillespie Arctie's md. "We aim to be test marketing within eight months," Wayne Joseph presi-

A flexible "problem solving"

net pallet wrap from Ravtex is

said to offer advantages of true

stretchability, memory and

practicality for products

The Ravtex TamaNet-Flex

consists of an all-pe triangular

net configuration which, says

the company, means that the wrap continually shrinks back

on itself, unlike other nets

where stretching is permanent

and does not necessarily give

greater stability to a pallet load.

Raytex md, products requiring

processes such as gas sterilisa-

tion, freezing or cooling ean

benefit from the efficiencies of

combining pallet loading and

According to Jack Rabbie,

requiring free air eirculation.

dent of The Joseph Company tells Parkaying News.

The mechanism is costeffective to produce; made of the same material as the can, therefore not affecting reeyeling; easy to inserr, requiring only one extra station on the filling line either before or after filling, and environmentally beneficial, as it will do away with the need for refrigerared vending machines which involve cfes, Mitchell Joseph, chairman of The Joseph Com-

pany, tells PN.

"A small canister with non-toxic gases"

ChillCan's cooling device involves a small canistet with non-toxic gases which are triggered once the ean is opened. This makes the gases swirl,

Net wrap cuddles the pallet

single

This wrap

process at

end of line.

"curls and

cuddles" rhe

product

says Mi

Rabbie, and

is particular-

for angular

packs which

jut out from

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part of the load may need to

be removed without compro-

y suitable

separating the hot and cold molecules so that the hot gases are spun out to the edge and released out of the top of the can. The heat exchanger unit displaces about 2 fl oz of liquid

"Hot gases are spun out to the edge and released from top"

in a 12 fl oz ean.

Tests show that within 30 secands the can falls from around 73ileg F to 48deg F, "The hotter the outside temperature the quicker and lower the can's temperarure will go", explains Mr Joseph. "We have an optimum temperature of 42 deg F. The can will not go lower than 35deg," he adds,

"Out launch market will

Many types

of product will

anyway settle of

change their

shape in transit,

and for rrue sta-

bility the pallet

wrap must con-

ttact or expand

with the load,

says the compa-

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According to the manufac-

2018. fax: 071-937 3819).

(Rabson

come the hurdle of putting a foreign object in a can with the widget - and we are aiming for total distribution of the technology," says Mr Gillespie.

The main focus is to perfect the insertion of the unit into the can without slowing down high-speed filling lines and the company has patents in application for this process.

An initial target of 3 per cent market penetration has been ser worldwide by MTI, with royalties estimated at around 2 cents on a possible market of over 100 hillion cans used for lager and soft drinks in Europe and the USA.

Possibilities for the can seem endless, and supermarkets and off-licenses would certainly benefit. A number of major breweries confirmed that they had seen the can and are interested in the self-chilling technology.

For Jurther K2 Call for details information 150 0839 77228

istics of elasticity and free air flow bring together the advanrages of streich pe film and tra-

Figures from the company put wrapping machine clongation of its product at 30-50 per cent as opposed to up to five per eem on traditional netting. TamaFlex-Net has been patented for around a year.

Typical products for which the netting would be suitable are fresh produce, meat products requiring fast freezing and goods where there is a danger of condensation if stretch film is applied immediately. Canned food is often still hot when it is palletised, and if moisture is sealed in, rusting of the tinplate can be accelerated.

For jurilier K2 Ball for detail

Liquid Filling Who can supply everything from a bench top filler.....

7GY - icl: 0332 288800, fax:

288804), the lids show a

tyranmisaurus and steg-

osaorus and are embossed

with an orange peel effect.

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packed by St Ivel using alu-

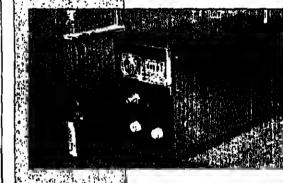
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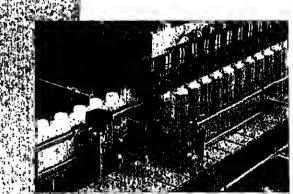
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....to a high speed multi-head line?



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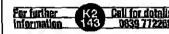
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CASE SEALERS AND CONVEYORS

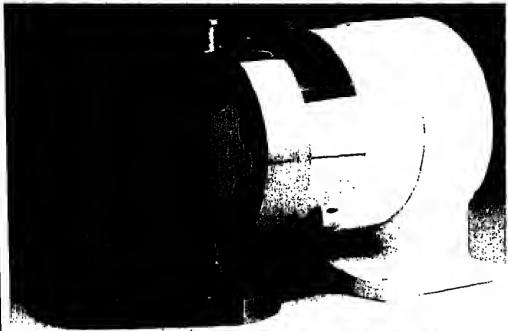
The acquisition by Graseby ple of Best Inspection Ltd strengthens the group's presence in product monitoring, adding checkweighing and other control management systents to the Graseby portfolio.

Best supplies checkweighers, grading and other equipment to the food and pharmaceutical industries, and will now be known as Graseby Best. The new company will add its product range to the group's range of metal detectors, X-ray inspection and coding systems.

"There is a natural fit," says Mike Sheil, and product monitoring at Graseby (Vale Road, Windsor, Berks SL4 4JX - tel: 0753 869351, fax: 840079).



# Monitoring lines cleaned in place acquisition



CE King Identified ITT Jabsco Pureflo 55 pumps as replacements for standard gear pumps

ciencies, The Body Shop in Littlehampton has modified its existing CE King fillers with a Clean in Place (cip) system.

King had been working on ways of providing cip on its Technofill fillers, and had identified ITT Jabsco Pureflo 55 pumps as replacements for standard gear pumps. The Body Shop was itself keen to install cip, reduce downtime and so increase output.

Trials were carried out initially at King's own factory and then at the Body Shop. whose engineers worked with the manufacturer of the pump.

The Body Shop's lines include several high speed 12head King filling machines. Technofill equipment has a gear pump as standard. These are said to be easy to flush through during changeover between products and are easy to dismantle without tools.

So while on smaller filling lines there may be negligible time saving with cip, on larger machines the system reduced downtime, without the need to dismantle filling heads.

Fillers are flushed through with hot water and detergent at the end of a production run. Operators then draw a sterilising fluid into the filling heads, leaving it there for up to half an hour. This kills any residual bacteria. Finally, hot water is used to flush the whole system through again.

Estimates by The Body Shop put time saved by the system at 45 minutes for each washdown. CE King is at 41 London Street, Chertsey, Surrcy KT16 8AR - tel: 0932 🖪 565191, fax: 566593.

# Flexo look for dog food

Companion Animal Foods Ltd has given its Hardy Original dog food a new look and has used flexo rather than the previous gravure printed packaging to achieve it.

The graphics now feature line and half tone illustrations and are designed to reflect recent market research findings. They are targeted to appeal to specific consumer groups.

"In the past we purchased a gravure printed laminate from Italy. However, we felt it was too visually clinical and had become dated," says John Murray, md of Companion Animal Foods. Sidlaw Packaging - Venus is now supplying the flexo printed faminate, which as well as providing the right look is also reported to run better on ffs packaging equipment. "Initial reaction from supermarket buyers has



Vibrant graphics for pet food

been very positive and we anticipate a healthy sales boost," says Mr Murray.

Sidlaw Packaging - Venus is based at Digby Street, Ilkeston, Derbys - tel: 0602 324391, fax: 327506.

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# Symposium on easy opening

prominence of the issue of openability' of packaging, the Institute of Packaging (IOI) is holding a one-day symposium designed to provide an

the solutions. Called Easy Open, the symposium is to be held at the Institute of Mechanical Engineers, London on 21 April. A non profit making event and limited to 140 places, the price is £80 +vat for IOP members or \$85 +vat for non members.

insight into the question and

It is hoped that a member of the Government will provide the keynote address: rither speakers include Jean Ashcroft director designate of Arthritis Care, director of research at the Centre for Applied Gerontology University of Birmingham Dr Laxinaii Nayak and Caroline Ellis, market development manager of Rockware Glass.

Managing director of PI

Design Consultants Chris Griftin and Colin Scaife, manager of packaging technology at Reckitt & Colman, will also speak.

Chairing the one-day conference is Editor of Packaging News Gail Les.

Says IOP board member

and honorary organiser Harold Redwood: "As the age profile of our population steadily increases we must start considering what can be managed with arthritic fingers, poor eyesight or other forms of physical weakness. The 'grey' consumer also has a greater spending power than is currently reflected in terms of easy usage of retail packaging."

Registration forms and further details are available from Pam Creed, conference manager at the IOP (Sysonby Lodge, Nottingham Road, Melton Mowbray, Leics LE13 0NU tel: 0664 500055, fax: 64164). • Two recent examples of

work in the area of openability have come from UCP - Norwich and Tetra Pak Ltd. UCP has designed a closure specifically for use by people with limited manual dexterity for leading pharmaceutical manufacturer, Eli Lilly.

The result of a joint developinent programme between the two companies, the 33mm twin walled, wadded cap will soon be available worldwide. It is hexagonal shaped and has an intermittently ridged skirt, enabling arthritic people to grip it and turn it easily, says JCP (Salhouse Rnad, Norwich, Norfolk NR7 9AL - tel: 0603 423131, fax: 4079421.

It also has a cross section in the top into which the user can insert a pencil or sponn in order to make turning easier. Made from white pp, the cap will fit all of the 70, 100 and 180ml hdpe bottles used for tablets and capsules by Eli Lilly.

Meanwhile, Tetra Pak Ltd has announced that an independent survey of its Tetra Top earton among disabled people has found that a very high 90 per cent found it "a lot" or "very much" easier to

open than the conventional liquid carton.

Tetra Top incorporates an casy-to-open ring pull, and almost all users questioned by research organisation ConsultABLE said it needed "little" or "very little" effort or

The survey was commis-

sioned following the Institute

of Grocery Distribution's

(IGD) three year initiative set

up last year for improvements

in the openability of food

packaging, Indeed, Jane Moore

of the IGD called for this when

speaking at the 4th Tetra Pak

Fruit Juice Seminar.

An early boost to the founding membership - by "We are naturally delighted then almost doubled - came with the results from an indetwo years later when the Packpendent research company aging Equipment Manufacturwhich proves," says Uff ers Association (PEMA) voted Brasen, managing director of to merge its own 40-strong Tetra Pak, "that the Tetra Top membership with the PPMA. is the carton of the future with Since that merger, memberits easier opening, hetter pouring and reclosable advantages."

ship has again doubled to 235 companies. The PPMA represents suppliers of UK and foreign equipment in almost equal numbers, and these companies account for an estimated 90 per cent of UK sales in this sector. Initially the PPMA saws

itself as being little more than a marketing support service. Since then, emphasis has been put on three other areas:

raising the sector profile ensuring continued develop-

ntent of the show maintaining an up-to-date directory.

Before the PPMA came onto the scene, the machinery sector was treated very much as a second class citizen, according to association general secretary Andrew Marrly. Since then it has succeeded in raising the group's profile. \*But even today, the PPMA's most important role is to give the machinery scetor a more effective voice in the market place," says Mr Manly.

Determined to reduce the costs that are involved in exhibition

A determination to reduce the costs involved in exhibitions was one of the impulses behind the founding of the association and remains a major concern. Its own machinery-only PPMA Show is now in its sixth year and well-established in the exhibition calendar.

From the first show in 1988, which counted around 90 exhibitors, the event has

lu the second of our sories where we meet associations and other industry bodies to look at the reasons why they were set up, a profile of the membership and how the service provided to members has evolved, we focus on the machinery sector. Gail Lea talks to Processing and Packaging Machinery Association general secretary Andrew Maniy.

MATERIA SERVE AND DESIGNATION OF THE PARTY.

PPMA: growth

changed out of all recognition,

In 1993 it drew visitors to 168

stands, representing some 400

around the world.

the industry this year.

autumn of that year, the PPMA

officially supports Pakex '95. In

the PPMA says it can help

members to realise cost savings

Structures within the asso-

ciation are designed for maxi-

mum openness within the

obvious limits of so wide-rang-

ing a membership. The council normally consists of the presi-

dent, vice president and 10

other councillors. The current

president is David Wright of

Europack, his deputy Derek

Moore of Sussex & Berskshire.

"A mix of

importers

and British

members on

the council

PEMA remined this role with-

in the PPMA at the time of the

merger, so initiating a mix of

turers on the council which

has been maintained ever since.

Manageable numbers of

nember companies are made the

responsibility of each councillor.

Within the council there is a man-

gement committee consisting of

the three key officers on the

council and the general secretary. Committee decisions are

ratified by the council, which

meets four times a year. There

is also an annual meeting in the

autumn for all the membership.

ratic frequency on the council with five sears vacated each

year and elections held for

replacements. The president is

elected by fellow councillors

Day to day business is ear-

ried out by a permanent secre-

tariat based in Croydon.

Alongside Andrew Manly are Angela Locke, the exhibition

manager, Bill Lake, publishing

co-ordinator and David Harri-

son, in charge of membership

ciation include the quarterly

Machinery Update, launched in

1989 and now edited by Michael

Maddox, a show catalogue and

an EU (European Union) leg-

islation update. Technical con-

Publications from the asso-

and advertisement sales.

for a term of one year.

Faces change with democ-

mporters and British manufac-

if they decide to exhibit.

this and some foreign events

machinery manufacturers from

with service

Despite a history which goes

back only seven years, the Pro-

eessing and Packaging Machinery

Association has demonstrated a

consistent growth in member-

ship and a corresponding

widening of the services it

With a brief to promore the

sales of equipment both in and

outside the UK, the PPMA will

undertake projects of benefit

both to members and cus-

tomers. Its higher-profile activ-

ities include the annual IPMA

show and its own publications.

Originally eight companies came together to found the assir-

eiation: ACM Machinery,

Robert Bosch, RA Jenton,

Engelmann & Buckham,

IMA, Sussex & Berkshire,

Rockwell and Ultrapae. At the

first meeting of the association

in 1987, 40 companies - the

bulk of them importers of

machinery - attended.

offers to those members.



Locka, exhibition maneger, Andrew Menly, general ascratery and David Karriaon, in charge of mambership and advartisament sales

DESIRABLE AS ...

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sultant Martin Keay performs an important function within the association, sitting on legislative bodies and reporting

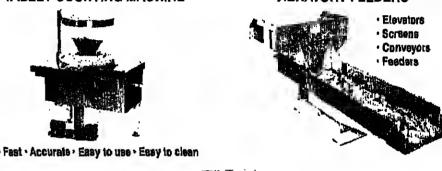
back to the membership. Links are being strengthened with other organisations including Picon and the Institute of Packaging. An IOP inachinery course in April has been restructured by the PPMA to give a more focused view of particular areas.

Liaison with foreign associations in the sector is largelycarried out through Copama (the Confederation of Packaging Machinery Associations), of which the PPMA was a founder member.

Confederation business is worked on by delegations from each of the member countries: the Czech Republic, France, Germany, Italy, Japan, the Netherlands, Spain, Switzerland, the UK and USA. Presidency of the confederation will be held by the UK delegation from just after

The PPMA is at Progress House, 404 Brighton Road, South Croydon, Surrey CR2 6AN - tel: 081-681 8226, fax: 081-681 1641.

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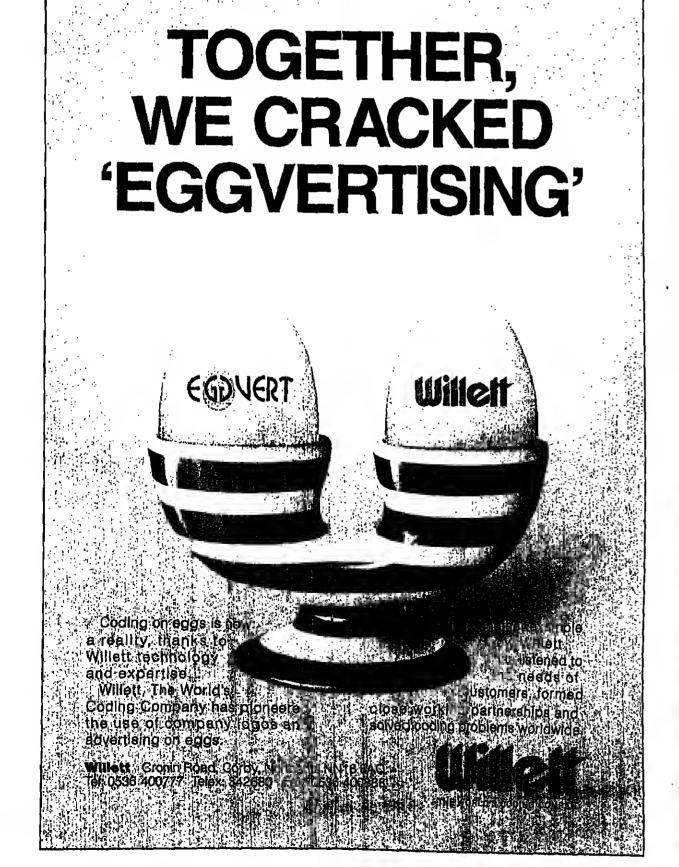




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# Steel drums anticipate regulations

Following more than 12 months' development work with Safety-Kleen UK Ltd, the UK waste management firm, Van Leer UK Ltd is introducing open top steel drums in 50-205 litres capacity.

"Anticipating the introduction of ADR regulations in the UK to cover the movement of hazardous products with effect from January 1 1995, the containers will earry the UN mark on the body", says Roy Wyldes, market development manager at Van Lecr (Steel Drums, Merseyside Works, Ellesmere Port, South Wirral L65 4EZ - tel: 051-355 3644. fax: 051-356 3365).

All the druins have been UN performance tested and eertificated for hazardous liqnids in the range SG1,2 to 1.4. At present in the UK there are no specific regulations covcring the movement of hazardous goods by road. The European Union ADR regula-

tions will tighten this up. This is the first steel drum that is UK produced which ean be opened and resealed and is suitable to contain hazardous liquids, says Mr Wyldes.

The technology required to produce the drums has meant altering the shape of the closing ring, the area at the top and bottom of the drum where the strength of the seams is important. A heavier gauge steel is also used.

The 50, 60 and 120 litre drums have tapered bodies allowing the druins to be delivered with their lids and closing

rings loose, the budies nested to save transport and wareliouse space. Mr Wyldes said the company is also close to finishing off a 25 lire size.

The 205 litre drums have the lids and closing rings fitted when delivered but after removal for filling can be refitted by hand. Safety-Kiccn has its own facilities for inspecting the containers for reuse.

Brian Wilson, distribution centre manager at Safety-Kleen tells Packaging News that the company is introducing the drums to allow it to carry out its

"The drums will be used on average two to three times and therefore will reduce the amount of waste going to landfill."

The open-top "is easier to clean However, it does mean more monitoring and checking of the drums", says Mr Wilson.

205 litre capacity have traditionally been used for powders, greases and pastes. Van Leer has spent over £150,000 on the open drum project for liquids.

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# Macropak '94 in May

Around 600 exhibitors and an estimated 35,000 visitors are expected to attend Macropak 94 in The Netherlands.

The show, which will take place in the Utreeht Jaarbeurs from May 2 to 6, will be spread over 7 exhibition halls divided up by sector and material.

The biggest scetors represented at the fair are the packaging and food and drink industries. Innovation and packaging

ects

used.

materials focus wi growth is recycling limitat ion and improvement of materials addition

to this. The Netherlands' highlyrespected Golden Nut environmental awards will be presented. Part of the remit to win a gold award is to prove some environmental benefit from the innovative packaging.

The environment also features strongly in the conference programme where Hans Alders, the Dutch environment minister and Germany's Klaus Töpfer, with the respected former French environment minister Brice Lalonde will discuss their national legislation and the European Packaging Directive at the European Packaging Conference on May 3.

For the first time at the exhibition a section has been given over to packaging design.



materials and information systems feature among those who are expected to be exhibiting at the international event. For detailed information

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# New faces at PN

Camile Reed has joined Packaging News as deputy editor from Metal Bulletin, where she was assistant editor. She has experience of European environmental issues from her work on Haznews, the international business monthly covering waste management, and will further develop this role on Packaging News.

Her fluent Spanish, French and Italian will come into play here. She will also be responsible for the news pages of Converting World and will be building her contacis in this sector over the next few months.

Walter M Schneider has joined Packaging News as European Sales Executive to further develop the sales effort



four years he has been working

exclusively for other Maclean



Formula To Cartoner Design

Humer titles, including Paper, Film & Foil Converter and American Printer. He is fluent in five languages and sales support services are provided by his wife in their Lugano, Switzerland-based home.

Joachim Dziallas, managing director of German company Edelmann, has been appointed presidem of ECMA, the European association for the tolding carton industry. Previously the post was held by Ken Jaffray of Berkshire Printing.

PEOPLE

Gary Pichon has taken over responsibility, as senior vice president of the packaging operations group of Riverwood International, for carron operations worldwide. Robert Hart has iaken over as senior vice president, paperbnard operations group, and Octavio Orta is now senior vice president, coated board systems and service.

Jo Lardinoye has been appointed managing director, sales Europe, Near and Middle East and Africa for the Eastman Chemical Company. In his new appointment, Mr Lardinoye will be located at Klöckner Bartelt Applies One Proven

Peter Jarrold, chairma rold & Sons Ltd, has h vice president of the Printing Industries P He is the sixth general the family to hold the of chairman of his come

AG Spall has assumed responsibility for linance as an executive director of Imperial Chemical Industries ple. Mr Spall, who was previously general manager, takes over from company, will retire in April, to

aging director of Battenfeld UK Lid, pari of the Battenfeld group. Mr Richardson has been with the company since the beginning of 1993. Heinz Rasinger has been appointed international marketing manager at Battenfeld, Austria, manufacturers of injection moulding machines.



Ashley Goldie has

appointed reclarical due

Cameside Brard, after

tion from the past of siles

ager. Peter Nadin replace

in sales, joining the com

from Marquip Incorporate

Jan Hayter has been appl

ed markening managerat/

way Packaging,

previously worked as pad development manager; marketing manager at Ak Ekco Packaging.

Brendan Muhjueen will responsible for runs Marchiniont Packaging's # delberg and Komori press production director. Press ly he was with the Sme organisation.

Brian Gilefrist takes psyrin new pusition as sales many packaging division, at Tis core Ind. The appointment of allow Mark Leeson, open tions manager, more timels his other responsibilities.



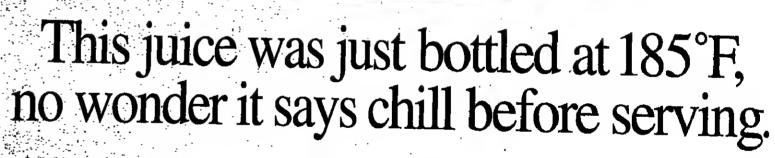
from Peter Godfrey as managing director of Ferry Pickering Sales, Mr Baines was previously deputy in Mr Godfrey, Neil Farmer has been appointed marketing manager with the

and marketing manager at All-Fill, is now managing director. He replaces Chris Head, who will cominue with the company as chairman. Mr Watts has also taken an equity stake in





PACKAGING NEWS/FEBRUARY 19



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CM Short, C Hampson, another executive director of the be replaced by M E Brogden.

Peter Richardson is now man-



Brian Baines has taken over

Michael Watts, formerly sales

Bipin Gandhi has heen appointed joint managing director of P Garnert & Son Ltd, the speciality papermaker. Mr Gandhi was formerly commercial director at Leonard Stace Ltd.

heard of nme (UK) Ltd as sales manager of nme nomaform the foam packaging division d the company. Melanie Day Mercer has joined nmc as cur tomer services manager, a ne position in the company.

- 1el: 081-660 8008

8-10 February Interflow 94 Exhibition, G-Mex Centre, Manchester EMAP Trenton, Beech House, 840 8righton Road, Purley, Surrey CR8 28H

**9** Fabruary ntroduction to labels and labeiling tachnalagy

Two separata teach-ins, the Grand Hotel Krasnapolsky, Amsterdam, Clare Brophy, Co-wise Management and Training Services - tel: 081-313 3713 8-11 February

Packaging technology Irade lair, Dortmund Germany, Westfalonhallen Oortmund, Postfach 10 44 44, Dortmund 4600/1, Germany - tel: 49 231 12D 4521 10-11 February

Praduct and Image socurity Two-day conference, the Grand Hotel Krasnapoisky, Amsterdam, Clate Brophy. event coordinator, Co-wise Management and Training Services - tol: 081-313

16-17 February Envirotec '84 Exhibition and conference on environmental technology, Scotlish Exhibition and Conference Centre,

Glasgow, Deboiah Watson, Michael Kelly Associates - tel: 041-204 2580 18-18 Fabruary Wastamen/Wastatach Exhibition on waste management, recycling, cleansing and elliuont control, NEC, Birmingham, Mack-Brooks

Exhibitions, Forum Place, Halfield, AL10 ORN - lei: 0707 275641 26-4 February/March Plaatindla '94 nternational plastics trade lati, New Defhi NOWEA International, Mr Herbert Stark, Posliach 10 10 08, 40001

Düsseldorf - tel: +49 211 4560-721 27-1 Fabruary/March Recycling 1864 Exhibition, NEC, Bismingham, EMAP International Exhibitions Ltd. 12 Bedlord Row, London WC1 - tel: 071-404 4844

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800349, D-5000 Cologne 80, Germany -

Jel: 49 221 61 24 18 14-18 Merch Resycle '94 Conference, Congress Centre Davos,

Switzerland Maack Business Services, Moosacherstrasse 14, CH-8804 AU/ZH Switzerland - lei: 01-781 30 40, lax: 01-781-15 69 15-18 March

Propeck 84 Conference, 1 George Street, London, Sue Wallis, Propack 94 conference manager, Pira - tel: 0372 376161 20-23 March Foodex Maalax 94

Exhibition, NEC, 8imingham The Diganiseis, Foodex Mealex Ltd, PO 8ox 106, Coveniry CV7 9EA - tel: 0203 644200, lax, 0203 644911 22-24 March

Environmental Technology '94 Exhibition, National Exhibition Centre. Birmingham, Sara Binns, Read Exhibitions, lei: 081-948 9940, or Adrian Wilkes at Environmental Policy Consultanis, tel. 071-372 7122 22-24 March

Danish Packeging Feir '84 Trade lair, Odense, Denmark, Tage Chrisiensen, project manager - lei: +45 86 15 55 35 24-29 March

In ank-lma Exhibition of mechanical handling. packing, packaging and food processing machinery, Fiera Milano grounds, Italy. Seg reteria Operativa, Ipack-lma srt, 62 Via C Ravizza, 1 20149 Milano MI - tel: (02) 481 43 25/65 9-9 April

Braphtac 94 Exhibition of graphic arts industries, Paris, SEPIC, 1 Rue de Parc, F-92593 Levaliois-Perrel, Cedex - Lei: +33 1 49 6-8 Agri) Packaging stratagles Conference, Swissôlei Conference

Center, Atlanta, USA. Packaging Strategies, 122 South Church Street West Chaster, PA 19382, USA - tel: 1 12-14 April Solidex 94

Solids handling exhibition, Harrogate.

Trinity Ltd, Times House, Stallon

David Tinsley, exhibition manager, OMG

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Packaging exhibition, Nizhny Novogorod, Russian Federation - tel: 8312 441 883 13-14 April South West Packaging Plus

Exhibition, Forte Crest Holel, Bristol. David Shephard, marketing co-ordinator, AES Events Ltd, 1D High Street, Purley. Surrey CR8 2AA - Iel: 081-668 9229 18-17 April

Exhibition, Istanbul, Tüyap Fairs and Exhibitions Organisation, Gazeteciler Mah., Saglam Fikir Sok. No. 19, 80300 Esentepe-Islanbul, Turkey - lel: 90 1 267 18-21 Apell

TRI-PEX '94 Plostics & Rubber Exhibition, Expo Centre, Sharjah, United Arab Emirales TRI-PEX '94 Plastics & Rubber Exhibition, P O Box 923. Crownhill, Millon Keynes Mk8 DAY lei: 0908 561444

18-21 April Flax Expo Flexible packaging exhibition, Dallas Convention Center, Texas, USA. National Bienhalm Expositions, Fort Lee Executive Park, One Executive Orive, Fort Lee, New Jorsey 07024, USA - let. 1 800 829 3976 20-21 April Handling and Stotage exhibition, Harrogale, OMC Trinity, Times House, Slation Approach, Ruislip, Middx HA4 8N8 - lel: 0895 677677

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International trade exhibition for food packaging materials and equipment processing and packaging machinery. show, Nagoya, Japan. Central Japan Packaging and Machinery Builder Sao Paulo, Brazil, Alcaniara Machado Feiras E Promocoes, Rua Brasillo Machado 60, Cep-01230 Sao Paulo, 8/azit - tel: 55 11 826 9111

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lood and packaging Industries, Vilnius,

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lechnology, Düsseldorl, Düsseldorl

Trade Fair Agency, Charles House, 108-

LID Finchley Road, London NW3 SU -

1 A, D-69117, Heldeiberg, Germany - tel:

Bruxelles, Parc Dos Expositions, Place

De Belgique, Bruxclies 8-1020, Belgium

Association, 2-4-1D Kameilma, Nakamına-Ku, Nagoya 453, Japan - tet: 81 52 452 3162 28-28 April Interphex USA

Exhibilion, New York - Ial: 1 708 390 28-28 April Internation exhibition of machinery and malerials for package processing and

production, Seoul, Korea, Reed Exhibition Companies - lei: 081-948 Scottish Peckaging Plua Show, the Glasgow Maniott Hote, Anderston, Glasgow, David Shephard, markeling co-ordinator, AES Events Ltd.

10 High Street, Pulley, Surrey CR8 2AA - lel: 081-668 9229 30-4 April/May Netional International Safe Trenalt Association conference Conterence, Las Vegas, NISTA headquarters - tel: 312 645 0083

Macrona Exhibition, the Utrecht, Jaarbeurs, The Diganisers, PO 80x 8500, 3503 RM Ulrecht, Holland - lel: +31 30 955911

An Idpe film blend which when produced as cut sleeves can be applied to blowmoulded jerrycan-type containers, is now available from Swains Packaging.

Initially developed to assist sister company Smurfit Preci-sion Labelling to meet its customer, Deb Ltd's needs, the film can now be supplied to suit many shapes and sizes.

"Cater for cleaning"

Deb Ltd's range of occupational skin care products to industry includes barrier and afterworks creams as well as heavy duty hand cleansers including Swarfega and Tufanega. They also eater for the cleaning market with its range of Janitol hard surface cleansers and degreasers.

The stretch sleeves manufactured for this cleaning range are extruded and printed as flat sheet and then folded/sealed

Seven tours to PaPro 94

Packaging News, in association with Pressplan Travel, has arranged a selection of seven inclusive tours to PaPro 94, the international trade fair for packaging materials, production, paper and film technology, taking place in Düsseldorf from 25 to 31 May.

With departures from both Stansted and Heathrow airports and tours ranging in duration from one to three nights, the arrangements are designed to allow Packaging News readers to attend this event with the maximum flexibility and convenience.

Tour prices start from \$294 for Stansted departures and £326 from Heathrow. inclusive of return flights. accommodation with breaklast at a centrally located hotel, all applicable airport taxes and hotel service charges.

Further detailed information and tour leaflets are available from Pressplan Travel Ltd (17 Verulam Road, St Albans, Herts AL3 4DA - tel: 0727 833291, fax: 867435).



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Ldpe sleeves for skin care

for an accurate sleeve size. They are then supplied as single, cut pieces.

The film stretches to allow application and then shrinks back to fit the container without distorting the print on the film, says Swains (Brook Road, Buckhurst Hill, Essex 1G9 5TU - tel: D81-5D4 9151, fax: 081-5D6 1892).

According to the company, stretch sleeves provide key advantages compared to conventional gravure printed shrink sleeves, especially in terms of cost. These benefits include lower artwork/plate costs, material costs and minimum order quantities.

The lower quality facility is said to make the stretch sleeves ideal for short runs such as test marketing exercises or multimarket products.



Stratch slagues produced by Swains Packaging on behalf of Smurtit Precision Labelling for Dab Ltd's occupational skin care products



Chyltheographic gollog by the one Divery million in a second property of the second Action were an authority by an arrest that the trible ellio

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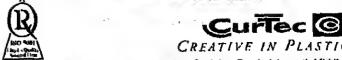
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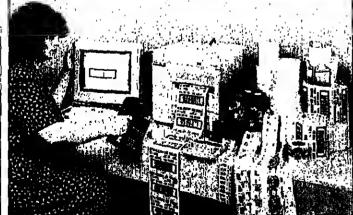


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from 1,000 - 1,000 mm wide, the SR6 has a

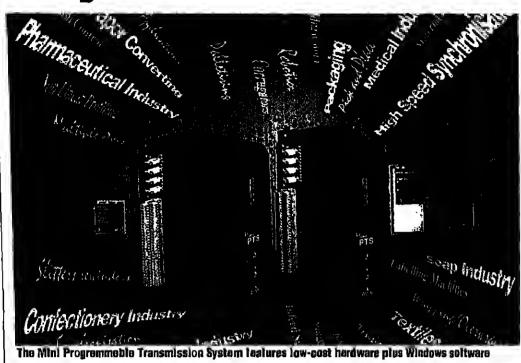
on pressure that automatically compensat

of rewird control that is essential when running

for material diagnoser and speed, brings a levi-

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Total Control



pean tiem applications, Quin Systems Ltd's Mini Programmable Transmission System (PTS) "is cost-effective and easy-to use", John Withers, Quin rad, tells Packaging News. Much of the impetus to develop the system follows demand from the European market. "We implemented their requests into the product", says Mr Withers.

PTS is a motious control system rargeted at applications that require two or more axes of motion control and where there is either a closely coupled relationship between the axis or motions are driven independently.

The latest system features low-cost hardware with additional Windows software

allowing motion characteristics to be manipulated online while the machine is under development. As a result, users can design and develop machines more quickly and competitively, says the company.

"Provides motion profiles

Like the established PTS, it offers mechanical engineers an alternative to traditional systems of gears, clutches, line shafts cams and linkages. These are replaced by servo morors and a control system that provides all the necessary motion profiles and synchronisation under software control.

Quin says the mini-PTS will meet 80 per cent of machine applications providing up to four independent synchronised axes in a single module.

"Oeins have been slow to adopt the technology, mainly because of the investment in learning dramatically new techniques, together with the barriers of unit price development time and

development

In the January issue of PN

(page 2) we gave the impres-

**STAR** 101

STAR 61 Sack sealars

rarious models

Centre, Oaklands Park, Wokingham, Berks, RG11 2FD - tel 0734 771077, fax: 767281 believes if western manufactus. ing is to compete with the low labour cust economies of the Pacific Rim total automation is vital, "and our technology holds one of the keys. It unlocks the potential for flexible, highly. automated production, as it offers less downnine, antomatic compensation for wear or component quality and no changing

of mechanical spare parts."

very little arithmetic.

Motion profiles can be

defined in terms of either posi-

tion, speed, acceleration or

jerk, with users instantly seeing

the results on screen in any of the alternative areas,

sion that Endoline had

acquired Advanced Design

Systems (ADS), In fact, ADS's

currently in receivership, and

engage the company's key

design engineers,

Universal

**Impulse Heat** 

Sealers

**STAR** 101

this has permitted Endoline to T

In addition to being

costs," says Mr Withers.

Quin (Oaklands Business

tember on board the P & O around half the price of the Sea Princess. PTS the mini-PTS has fea-Around 300 senior packagtures which simplify the ing buyers from sectors includmachine-builder's task in the ing the free, food, drink and form of Windows graphical tobacco, pharmaceuticals, retail interface. This allows our and wholesale industries have designers to define complicareserved places to attend. ed kinematics using the minimum of numerical input and

Julian Gorst, project director at Richmond Events, tells Packaging News that the events are totally business

Packaging Focus '94 is being

launched by Richmond Events

in association with the Institute

of Packaging (IoP) this year

with the promise of a captive audience. The event, which

will comprise conferences.

seminars and business meet-

ings, will take place 22-25 Sep-

focused and have proved to be a success in other fields. One area delegates to other exhibitions have complained about is a lack of senior executives and possibilities for meetings, says

All aboard for buyer

meets supplier event

"An advantage of Packaging Focus is that the programme on board is highly structured, comprising business hours during which time half-hour meetings are conducted, meal times when suppliers host delegates at their company table and free time after dinner", he says.

The conference and seminar topics are being selected on the basis of a questionnaire that delegates have answered with

Each company executive

will have around 30 pre-scheduled face-to-face meetings with potential clients plus numerous informal discussions during the four-day event.

Meetings are scheduled in advance on the basis of both exhibitor and delegate selection. Suppliers and buyers are notified beforehand of all those attending and can select who they wish to meet fixeentives and delegates are notified about 10 days before the event with their own itinerary.

There are up to 60 places available to senior executives from suppliers from the cans/nietal caps/closures, car-

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toris, design, glass, labels laminate/film/foil and paper board sectors. Participation is at an all-inclusive price based on the number of representatives sent and includes a meeting area in one of the lounges for meetings and a table for meal-time meetings. There are no stands built

'Companies are now signing up"

To date two companies have signed up - 1Cl Melinex Division and Wace Datacidour and others are in the process of doing so, says Mr Gorst.

For further details contact Richmond Events, London Plruise, 243-253 Liewer Mortlake Road, Richmond, Surrey TW9 2LS - tel: 081-332 2422, fax: 081-332 0939.

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# Speciality can made for paints and inks

A conical 4-litre Easy-Supersealed-Totally-Open can is being launched by Speciality Packaging Benelux, a division of CarnaudMetalbox (Postbus 485, 1620 AL Hoorn, Anodeweg 3, 1627 LJ Hoorn Industrieterrein Hoorn 80 - tel: 0.2290 30404, fax: 02290 43289).

The company already produces 5-litre ESTO cans ar its Elburg facility. The production line will also be able to produce the 4-litre can since it has the same cap diameter of 180mm as the 5-litre ESTO can.

José de Vries, marketing services manager, tells Packagng News that the can was developed in response to its customers wishes, with the primary impetus coming from the

mately the company aims to launch a complete range of conical cans from 2.5 to 5 litres in size. Ms de Vries says the 2.5 litre can is at the trial stage and production is due to start withn the next few months.

"We launched a 2.5 litre can about five years ago which was not a success. We have now gone back and adapted the height and size. Our customers have asked us for this capacity," she says.

The ESTO is a two-piece can in which the ring is formed from the body to maximise emptied completely.

A palletising robot which incorporates flexible feeding technology is being heralded as a first by Adept Technology Inc in the USA.

Both the Adept 1850 and 1850XP Palletizer Robots use vision guidance and conveyor tracking to handle loosely fixtured or randomly oriented products directly on a moving line.

They do not require dedicated fixtures or product-specific feeding equipment and are designed for higher payload applications, says Bryan St Amant of Adept (150 Rosc Orchard Way, San Jose, CA 95134, USA - tel: 0101 408 432 0888, fax: 0101 408 432 8707).

The Adept 1850 can go to speeds of up to 70 kg up to 700 cycles an hour. While the 1850XP handles up to 150kg with speeds of up to 1000 cycles an hour.



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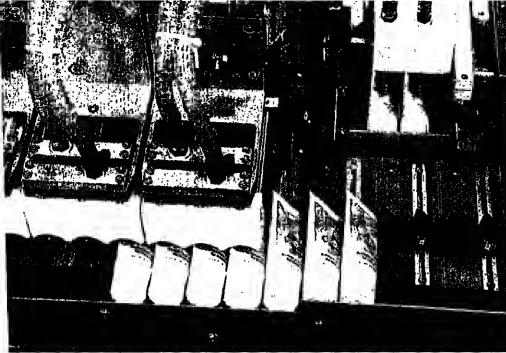
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The robotic system ellows tubes of toothpaeta, cosmalics or foods to ba loaded directly info packe

# **Cartonless tube installations**

packing - spurred initially by German demands for reduced packaging to meet its Packaging Ordinance requirements has resulted in ten of the sixteen TSR machines, ordered from IWK, being installed.

First installation was at Wybert, Germany a year ago which was a first generation machine that handles cartons in a horizontal format only. All other machines are the latest generation design which, via a

robotic system, can place tubes in any orientation required vertically, horizontally or nested top to base.

This version, the TSR ear-

tonless packaging system, was launehed at interpack and depending on format, packaging material costs can be halved and pallets loaded with twice as many tubes, says IWK's UK and Ireland agent Sussex and Berkshire Machinery Co Ltd (Blacknest, Alton, Hants GU34 4PX - tel: 0420

Fifteen of the tube filling and packing lines are handling toothpaste with Elida Gibbs in Germany being the one execprion. They are packing its nailcare, haircream and Ponds

Elida Gibbs supplies prodnets in eardboard trays for the German market and in plastics trays for the French and British retailers and the company required a machine that could cope with either tray type with

time. The IWK equipment offers the option of a eardboard tray erector module or fitting a

plastics tray denester.

As Hans Scydel, managing director sales of IWK, tells Packaging News, most of the leading toothpaste manufacturers in Germany, including Procter & Gamble which has ordered five lines, are now using the TSR system. He believes the success gained in this market will lead to others, but for pharmaceutical type products the question of patient care leaflets remains an obstacle. Outside Germany,

StaffordMiller in Ireland has just commissioned a line which will be handling its Sensodyne toothpaste, while at Stafford-Miller in Plymouth, a line due to go in this July will be supplying the whole of Europe with this product.

The TSR system accepts tubes, typically in two streams from a swin head filler, shingles the two streams and then loads the tubes into a collation conveyor with fitments that

maintain the shingling. This conveyor indexes below the robot which, once the desired number of tubes for a complete layer or row has been accumulated, lifts the collation by vacuum cups. For horizontal loading the layer is simply moved forward and down; for vertical packaging the head rotates through 90 degrees.

The robot - which is manufactured by IWK sister company Kuka - is equipped with software package which enables it to be programmed by any IBM-compatible pc.



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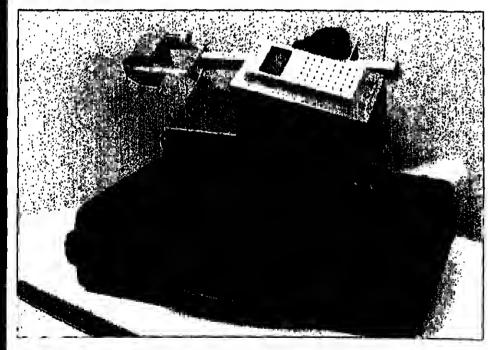
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seek a listing on the Landon

Stock Exchange by means of a

Placing within the lirst quarter

of 1994. Pre-tax profits rose to

\$1.8 million in 1993, un

turnover of £21.9 million. Park-

side's sponsor and stockbroker

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trial Films Association (0602

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AFV pic has sold ita 100 par-

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Machine Cornoration to Min-

nesofe Limited Liability Corpo-

ration for a cash consideration

approximetely \$8.9 million was ratained by Douglas. APV said

Italdibipack Spa, the Italian shrink machinery manufactur-

er, has given sole distribution

combined scal/shrink units.

ration, the US paperhoerd, peckaging end packaging

mechinery company, and Cene-

pak Holding A/S have set up a

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in Denmerk to serve the Scan-

dinevien beverage merket with

machinery based systems for

beverage and food packaging

applicatione.

of \$28.9 million. Net cash of

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neca, Clifucion Environmental Systams Ltd, to Banson Group pic. The tetel consideration to ba racalvad on complation is £1.5 million in cash. Michael Smith API Group's chiat executive said: "The diaposat will parmit API to concentrate antirely on ita core packeging, eneclelist coetings end offica

Valancie, sestarn Spain. Infer-Mydrin Ltd has formed three companies in India, Singapore aslabilshod by Richard Caldar and Australia to meet the growand alme to encourega Spanish ing demand for its EVA hot buolnesses to know and undarmelt adhesives for the packagatand UK and northern Euroing industry, as well as for textile eoatings and footwear trading within the Single Marproducts in the Far East. kef. Its eervicas wilt include packeging davalopment end Tesco has inclelled a 4301 Uni-

producta aclivitiea."

varsal Tasting Instrument from instron (081-336 1282) Burford Research Consultants egulpped with environmental (0628 484118) is the first UK chambar, which will play a key company to be accredited by role in ensuring the quality of NAMAS with ISO EN 28317 tha wide renge at plestice end for testing child resistant packpaper products eold to or used aging. BRC has nearly 30 years by Tesco oustomers at its recantly opaned Techinal Cantre in Chashunt.

The equipment rapiaces a toat eystam installed in 1982 af the old laboretorias. Devid Saltan, senior meterials technician, eoys the fastron sytem "lo eesy to operate, accurate and able to carry out teats of 50-250deg C."

AssiDomän is the name of the new Swedish group that has been formed following the merget of ASSI and Doman. AssiDomän will be privatised during the Spring and then make a bid for Neb. Produetion will be focused on packaging materials and packaging made of paper.

Orlan Mechinary Ltd (0453 890881) had ecquired the Dalren range of web handling equipment and Coverstar the machinory maker for buelnass forms production from Orion Koldings pic.

Noteni Ltd (0532 779504) has been appointed the agent for the Italian CAMA Group. Notein will provide CAMA's CL Cartoner range of horizontal end-load eartoning machines that use a central drive shaft in place of chain and belt drives.

Hansan OmbH, the German agreements to Murray Packagpouch filling/sealing mechines ing Ltd (041-946 2229) in Scotmeker, is launching enother land and Sontex Machinery Ltd (0274 872299) in the rest of ranga of machines (UK: 0486 72525). Pouches varying in the UK for its products. It is size from 100 ml fo 10 litres the company's first venture can be hendled on a ologia into the UK market. Italdibimechina. The range elso pack machines will compleincludes sami-autometic spouf ment the companies' existing wolding equipment for cusranges of shinkwrapping systems with both high speed fomars looking to buy premade pouches locally and automatic L sealers and simple Insert recloseble spouts inhouse for additional flexibility and significantly reduced unif Riverwood Infernational Corpocests for the pouch bottle,

> Newtee UK Ltd (081-758 9000) has commissioned a Hot-Pal 2200 pallet shrinkwrapping system on behalf of Congleton Board, an operating unit of BPB Paper & Packaging Ltd. Previously, the

company paperwrapped or

stretchwrapped its pallete of

laminated board products.

Congleton has made the switch

to reinforce its commitment to

seaworthy packaging. It

required full weather produc-

tion and pallet load stability.

Pektak Intarnational (0203

223146) has won the sole UK

end Rapublic of Iraland agancy

tor Kagama, the Darman manu-

facturer of mechinery and

aquipment for the drinks end

liquide industries. Paktek says

the dael to due to the econom-

ic eflects of the collapse of

the Eastern block. Part of the

deal involvas Nagama treining

Ina director at Hegeme, seys:

most important manufacturars

In the tormer Societiet Europa

linea to Russie, Chine and elso

salling hundreds of bottling

"Wa used to be one of the

Erich Brauckmenn, menag-

Paktak statt.

the Croda International Inks Business for an estimated cash consideration of £26.6 milffon. The transaction complaments tha group's axisting coetinge and Inka business Internationally and will increase Mander's range of liquid loka lachnology, improva purchasing power and give technological advantages it will also establish e aigniticant toothold in Continantal Europe, says Mendars.

Titan GmbH's Titan Series strapping machine using the original VK10 strapping heads from Than. Than Gmbb) will continue to market the machines in Germany but hipack has appointed Lawtons Ltd (051-227 1212) as distributor in the UK for all Titan and Itipack plastic strapping machines.

hipack srl will now manufacture

India. Now we are looking to Westarn Europe."

Manders pic has acquired

for all leave and the market the parties of the deruzetileirileishilititiliinizideixidiil CONTRACTOR OF CONTRACTOR OF THE STATE OF THE

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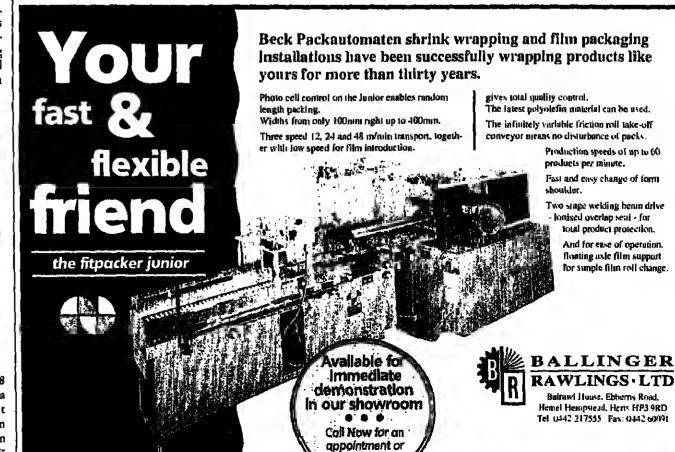
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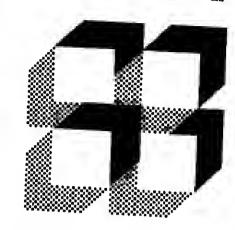
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# Stretchfilm Buttleneck unblocked savings

A 14 micron hand stretchfilm. said to have the strength of a 17 mieron film, has been launched by Wiggins Teape Packaging.

According to the company, significant savings can be made by eustomers using the film for hand pallet wrapping rather than using larger quantities of thinner film to achieve the same pallet stability.

"We recognise the need to telp our customers save on the amount of streichfilm they use, and this is one major step forward in achieving this," says Stephanie Emo, marketing manager at Wiggins Teape (PO Box 88, Gateway Hnuse, Basing View, Basingstoke, Hants iel: 0256 842020, fax: 843447).

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A hortleneck between procombined on a single display, duction and packing on a with data transferred to a cenfrench-fry line in Denmark tral production control system. has been overcome with the installation of a fully autumatic line from Piepenbrock, including a Hastainai weigh-

ing and bagging machine.

the throughput is 3000kg an

hour, weighing accuracy is put

at 0.5g, so inaccuracies are min-

Beneath the weigher, a Has-

tamat R350 MP bags individual

volumes of up to 12.5l. Heat-

scaling as well as welding can be

used on pe or aluminium films.

Controls for the tubular

bag machine and weigher are

"We were especially impressed by the very clearly arranged operator's display giving easy step-hy-step instructions," says Kund Kundsen, produc-Mnunted on a vibrationtion director at Fleusted. free ehassis, the Hastamat CP 1.10 multihead weigher is used integral dispenser for sorting basehes of 750g, 1kg An integral label dispenser can and 2.5kg at Flensted as. When

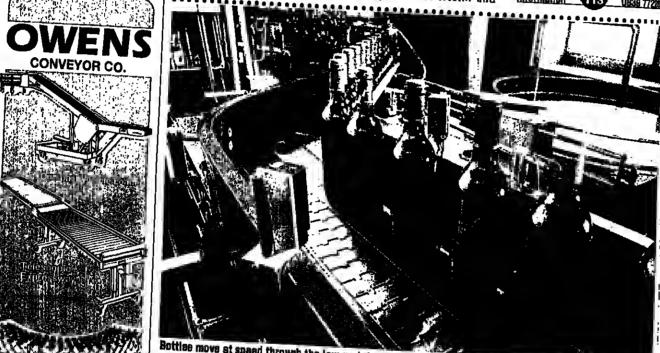
be used, for example, in promotional campaigns and a checkweigher is positioned just below the cross scaling station. Over- and under-filled or pnorly sealed packs are annomatically rejected. A feedback system relays preselected sample weights to the central proluction control system.

Full bags then move forward to a Superior case erector and

packer, with bostom and to flaps scaled with bounds Fig. ther checkweighing ensures du the correct number of higs have gone into each case, says Piepe brock (Hannoversche Strag 91-95, Postfach 34 49, W4908 Osnabruck, Germany - tekor 49 541 58410, fax: 5841906).

Before reaching the packing line, potatoes are automatcally peeled, cut, checked for defects, boiled and enoled or frozen in a numel. Prior to the installation of the fully automatic line, weighing and filing of pack contents could not keep up with production.

Flensted produces 10 ml lion kilos of french fries and & million kilos of peeled potatos a year at its plant.



# Ultrasonic beam counts fast-moving objects

thru-beam system is available in the UK for the detection, eounting and measurement of fasi-moving objects.

The USDK 30 D emitter and UEDK 30 receiver from Baumer electrie Ltd differs from polarised, retro-reflective photoelectric systems by not being so dependent on having elean sensor and reflector surfaces. The Baumer equipment ean detect coloured or transparent objects of different sizes without this level of maintenance, says the company.

systems are said to suffer only marginally from this sort of defect, the system is equipped with a led which shows when the detector is in operation and when soiling of the transducer has reached levels which might

affect accuracy. By using a frequency of 220kHz, the Baumer sensors are inaudible to operators and are unaffected by ambient noise. The compact unit is said to be ideal for confined spaces. When the beam from the

Operators can adjust amplification of the input signal. Unlike single-unit proxim-Even though ultrasnnic

ity systems, the thru-beam method gives continuous mesurement, so allowing for comparatively fast moving objects to be sensed, says Baumer (which is based at 33-36 Shrivenham Flundred Business Park, Majors Road, Watchfield, Swindon SN6 8TZ - tel: 0793 783839, fax: 783814).

produces an output signal.

Baumer systems are already working in areas such as wine bottling and the blowmoulding of clear pet bottles, produced at rates of over 20,000 an hour.



emitter is broken, the receiver

081 242 3156

# Low cost filling combination gives accuracy

Low-cost automatic filling can be easily acquired by combining an indexing conveyor and single-head filler - both available from ABA-Alite - says the

According to ABA-Alite, its AB25 automatic indexing conveyor system can be used with the AB6 anger filling unit to create a fully automatic systein, which the company calls AB50. A twin-head version the 150 - is also available with two AB6 units. Prices are said to be two-thirds to three-quarters those of comparable competitive equipment.

On a single-head model, the semi-automatic's tup throughput of 30 fills a minute is increased to 50. The indexing of a container automatically triggers the filling eyele. Since it is a modular system, layout and conveyor direction can be tailored to the requirements of the individual customer.

Accuracy on the AB range, which can be used for powders or granules, is said to he ± 1 per cent, with capacity from only a few grammes. A robust, hygienie structure and a simple drive mechanism are other advantages of the system.

head version. With the can be kept addition of the second short, says the filler and further company (22 Such indexing surps, Close Ind. Estate. Leichworth, filling capacity i Heris - tel: offered. On this and 0462 480166, the single-head model fax: 481256). Automafacility is also optional for bouon-up filling. Progressive automation is pussible, the company points on, without redundancy of existing equipment. Container equipment needing handling can be designed amo-indexing is for flexibility, while possible with the eliangepari requireconveyor, in areas ments are said in such as other types remain low of filling or collating. For further K2 Call for details

ABA-Alite also has highspeed container handling sys-

panels remains the

same with the twin-

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### Case/pallet system can be flat-packed An integrated case and pallet the case before bearers are

system using only corrugated board, and capable of being flat-packed for transit and storage, is available from Canadian company Containercraft.

Advantages of the Keypae system include its monomaterial composition, low weight and simple assembly, says designer Raymond Keys. The system is ideal for bulk packaging of small items, he says.

The pallet-bottom sheet is assembled separately, then combined with the flaps of

inserted to fill the pallet feet. The bearers are also produced from high-density corrugated board.

No manufacturing process other than straightforward ease-cutting and -creasing need be used for the main box, says Containercraft (12709 - 15A Avenue Ocean Park, South Surrey, British Columbia V4A IL9, Canada - 1el and fax: 010 I

604 531498g). For further K2 Call for detail



The FND30 pump diepeneer from Englass gives hygiena benefits **Easy-to-clean valve** 

Hygiene benefits offered by an casy-clean valve were key to the choice of the Englass FND30 dispenser by Belgian sauce man-

ufacturer Beckers, Essen nv. Beckers required a dispenser for its five litre bag-in-box range and, after tests of the various options on the market, decided that the Englass model was the easiest to dismantle and clean. Products include particulates, and Englass took this Into account in the version of the dispenser supplied to Becker.

"To achieve the company's requirements we made some

additional modifications including wide-hore tubing and a new adaptor," says Englass business development director Maurice Fennell.

Easy access to the onepiece inles/outlet valve for eleaning was a major consideration. Reassembly is as easy as dismantling, without the risk of losing the large valve component, says Englass (Scudamore Road, Leicester LE3 1UG - tel: 0533 871371, fax: 312077).

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# Plastics separation project

A Pira-led consortium has won a £1 million graut from the European Commission to develop a system for identifying and separating plastics in inixed wastes.

At the end of three years, Pira is expected to have a pilot plant up and running, which will be able to make at least 100 identifications a second and sort plastics at speeds of up to 10 articles a second.

"We have worked on most common plastics, but the system will in principle be applicable to any type of plastic and the number of tracers is mulimited. It could be applied very easily to packaging," says Philip Tice of Pira's packaging research department.

The consortium will develop tracers that identify the different types of plastics and manufacture a range of plastics containers which hold the tracers. Other partnets in the project include: Bayer in Germany, Cranfield University, Newell Engineering, the Laboratoire Nationale d'Essais in France and the Apine.

Pira (0872 376161) is also looking for industry sponsors to provide some funding towards the project.

# Pilot scheme backs up eps transit choice

Hoover's choice of eps rather than board for transit packaging to protect its white goods is being backed up by a pilor recycling scheme at one of its distribution centres.

The relatively small proportion of eps collected from direct domestic deliveries by Hoover rather than by high street retailers is shipped back to its two distribution centres at Merthyr and Manchester.

At Merthyr a pilot scheme is recycling the used eps, which is then sold on for use as building insulation.

### System reappraised

Houver used to source fibreboard for transit protection but, the company tells PN, high stock returns because of dainage led to a teappraisal of this system. "The opportunity was taken to review alternatives from an environmental perspective," says a spokesperson. Figures suggested that eps recycling could be more energy efficient than fibre.

Since Hoover adopted eps and shrinkwtap for transic, stock returns have been reduced, says the company.

There is still work to do in developing eps collection, recycling and markets for the reprocessed product in the UK, as can be seen from Hoover's inability to date to recycle waste returned to its

their product, and are deter-

mined to strengthen the infra-

structure in this country. The

Polystyrene Recycling Associa-

tion (PSRA), which groups

companies recycling all forms of

ps, is also involved in looking at

other options, including inciner-

packaging in the UK is recy-

eled, the BPF (British Plastics

Federation) estimates, expect-

"Recycling is an important

waste management option for

actively encourage it wherevet

it is economically and environ-

mentally viable," says Dick

Hills, chairman of the federa-

recyclers in the UK is available

from the BPF (6 Bath Place,

A PSRA directory of ps

tion's eps packaging group.

Some 10 per cent of eps

ation for energy recovery.

markets are stimulated.

Manchester distribution centre. Instead it is simply compacted and sent to landfill. Converters and recyclers of ps and eps in the UK have been stressing the recyclability of

Rivington Street, London EC2A 3JE - tel: 071-457 5000, fax: 071-457 5018). Companies such as Hoover

have been reassured by a recent environmental agreement involving, says the BPF, 70 per cent of the world's producers

collection, sorting and reprocessing in the UK. of eps transit packaging. This grouping has set out to combat misconceptions in some quarters about

Technologies for all materials will be

showcased at Recycling '94 later this month.

Here we also examine progress with plastics

Europe in particular. Signatories of the agreement included the major raw

the acceptability of eps tran-

sit packaging in parts of

material suppliers, manufacturers of eps from all over Europe. Japan and the US as well as industry associations. The forum was hosted by the BPF; cps group, now spearheading efforts to approach and inform on their own ground decision makers around the world.



Eps transit packaging is establishing its environmental cradential

Problems over what to do with the large volumes of eps packaging used by Sonv Manufacturing have largely been overcome by the introduction of a programme run at its plant in South Wales by Save Wood Products, which makes a rimber alternative from eps. The company is also close to signing a deal with an electronics company in the UK for a simi-

lar venture. Sony has installed a baler which densifies the eps at a rate of 400 kilos an hour with a volune reduction of 50:1, so that lorry loads of 20 tonnes are transported at a rime to Save Wood's Isle of Wight plant and turned into the firm's Durawood timber alternative.

"This has done away with haulage and storage costs traditionally associated with eps packaging," says Robert Billson Save Wood Products md (The Old Riggers Loft, Marina Walk, Cowes, Isle of Wight PO31 7AY - tel: 0983 29935, fax: 299069).

Currently moving to 30,000 sq m premises, the company will also be opening a plant on the mainland later in the year and is now installing additional equipment so that it has five compound lines and five profile lines.

At the first stage the baler reduces the eps, then it is compressed into a plastics bead

which can be used in injection blowmoulding components. Alternatively, the product is taken a stage further and undergoes a profile extrusion process which includes a proprietary foam process to make the Durawood product.

"We do it slightly differently.

other companies, as we draw on our metal recycling experience making ps alloys and blending techniques," says Mr Billson.

Durawood aims to move into new markets and challenge the hardwood timber sector. It has just began to sell to Texas and Homecare in the home improvement sector, as well as supplying McDonalds fast food outless.

"It is one answer to the problem of eps waste. We believe we have to create a commercial base for recycling. We have given Sony a teal income from its waste. Eps is a resource for us and we pay for it," he says, Durawood sells for £2000 a tonne - comparable with hardwood after finishing. It does not rot or require painting and resists insects.

# Timber alternative | European targets will be addressed

EN TRONMENT NEWS

European Union recycling targets and their effect on the packaging industry are just one of the issues to be addressed at the Recycling '94 exhibition and conference which will take place at the NEC in Birmingham February 27-March 1.

Exhibitors from around the globe displaying a range of recycling solutions for plastics, textiles, metals, glass paper and chemicals are expected to attend and the programme aims to meet the needs of retailers, manufacturers, Incal authorities and waste management companies.

The event is being sponsored by Materials and Reclamation Weekly and Plastics &

Each day seminars will be held focusing on exhibitors, industry and local authorities. The Business and Industry seminur on March 1 will be jurroduced by Peter Mudie of Business in the Environment and features case studies from Boots the Chemist on its 3R's programme; The Body Shop, and CamaudMetalbox on developing technology to enable post-consumer plastics to be recycled into primary packaging.

EMAP Trenton International Events Ltd, Beech House, 840 Brighton Road, Purley, Surrey CR8 2BH - rel: 081-660 8008, fax: 081-660 6243.



## Joining forces on pet collection

Contact Susan Fairley,

converters have joined forces to form a new association Petcore (Pet Container Recycling Eutope) which mill work together to increase collection, recovery and recycling of per containers across Europe (e/o Apme, Ave E Van Nieuwenhuyse + Box 5, B-1160 Brussels, Belgium - tel: 010 32 2 675 3297, fax: 010 322 675 39 35).

reaching the EU target as under 5 per cent is recycled." main aims is to comply with Dr Matthews who will be the recovery target of 50 per cent set under the proposed

co-ordinating the association's European Union's packaging activities across Europe, tells PN that he is already working directive. Vince Matthews, a with collection bodies and former executive director of the Apme's environmental authorities across Europe. "The unit, says he is aware of the ability to collect is the slowest part. The European recycling many discrepancies that exist capacity is way above what is across Europe, "At the moment we are a long way off collected. We don't want Pet-

core to exist in perpetuity. ' The founder members, AKSO, Continental PET Europe, CONSTAR, Internarional Holland BV, Eastman

Chemical AG, Hocehst AG, ICI Chemicals and Polymers, Inca International, Johnson Controls, Shell International Chemical Co. and the EAPC. the European Association of Pet Convertets, will rarget blow moulded pet bottles and containers of 5 litres and under sorted to agreed specifications.

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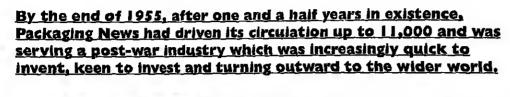
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# NEW TECHNOLOGY AND NEW MARKETS!

report concisely and promptly significant developments in all branches of packaging - this was stated as the mission that Packaging News set itself at its lannch in 1954, and there was plenty around to be concise and prompt about.

Many of the names that appeared on our pages then can still be found in Packaging News now: Cryovac bags were featured in the June '55 issue, Viskrings were shown around a Sarson's Virgin Vinegar jar in the same month, The "Società Anonima GD" and Bramigk were among the exhibitors at the Packaging Exhibition previewed at the beginning of the same year.



JIF LEMON WAS LAUNCHED IN '55. USING A BLOWN PE CONTAINER RATHER THAN 20Z GLASS BOTTLES THIS PACK WAS BRANDED WITH THE NAME HAX



PRODUCTS LAUNCHED IN THE SAME YEAR AS PN IN RESPONSE TO BODMING CONSUMER DEMAND INCLUDED MAXWELL HOUSE INSTANT COFFEE AND OMO

drop in stock exchange prices: Bowater Paper fell by 4s3d, Wiggins Teape by 3s6d and AE Reed by 7s6d. The price of timplate steadied at £2 19s 7d a ton.

There were potential case studies in abundance about how bad packaging was costing companies money. PN was almost moral in its tone when showing 'before and after' in an enamelled goods warehouse: "... the nest collapses. Damage follows disorder.'

of meat, popltry, cheese and other products. Figures from the USA spoke for themselves: "About 75 per rent of all frazen, eviscerated turkeys are marketed in Cryovac bags there." ater in '55 rumonts circulated Beer to be packed in flat-topped cans about the possibility of Tetra

Pak coming to the UK with its

classic tetrahedron carton, A Mr

Fortescue of the Milk Marketing Board

Tetra Pak system had advantages over

other eartons. "The comparative

cheapness of the pack is owed

mainly to the small amount

of paper which is needed

(remember that?) was convinced that the

rather than conical-topped cans or bottles included Grinness. The packs, supplied by the Metal Box Co., thoughtfully came with two top piercers provided for every 24-can carton Feeding of containers by hand for filling

I June, Cryovac bags were being supolied into the UK for vacuum packing

on a Kalix Dupny machine was sitemonts in this brancher itifeed from the Flexile Metal Company, said to double

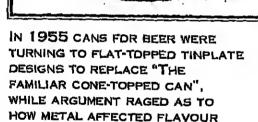
throughput. "The company will fir the jar-teeder for £10, plus any travelling or transport expenses." The attachment cost £250.

AN EARLY EXAMPLE OF 1950s FORMED PLASTICS FOR VINOLIA

BABY POWDER

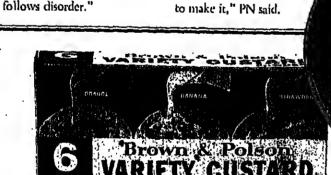
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Held at Olympia and sponsored by the Institute of Packaging, the Packaging Exhibition attracted 193 exhibitors. There was exhilaration at the end of rationing with, according to the journal, supplies of timplate, film, paper and board still falling short of demand. Also noted was an increasing openness to foreign competitor companies. PN was a little hesitant when it looked back on the show. "Packaging Exhibition was successful, well organised, well attended, but was it a day or two too long?" ran the incisive headling.

An increase in the bank rate prompted a CONSUMER PACKS REFLECTED INCREASING DEMAND FOR COLOUR OUTSIDE AND VARIETY INSIDE



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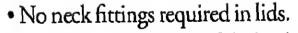
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LABELLING AND CODING

# Hot ink coding control

Hot ink coding onto a large print area with close temperature control is offered in a system from Anglo-American Packaging Technology (APT), to be shown by the company for the first time in the UK at the National Packaging Plus

With a print area of 50mm 50mm, the TC70 is said to have the largest print area on a machine of its kind. It is fitted with full electronic de steppermotor control and can be used in continuous or intermittent operation.

According to APT, the TC70 can code in any of four standard ink colours at speeds of up to 70m a minute. Mininium package length is 82mm.

Signals for coding can he activated by micro-switch or proximity switch depending on the type of packaging machine the system is fitted to and the type of pack. A further option is a photoelectric cell for print registration.

Control is key to the efficiency of the system, with print position held to within ±0.4mm and temperature to within

Computer-controlled print

and apply labelling equipment

from Italian company AL Tech is now available in the UK

VB Code uses a thermal

transfer printhead, and has the

advantage of compact design to

fit onto existing lines. VB Label,

an automatic applicator, can be

**Devilish glow** 

A devilish label has been pro-

duced for the test launch of

Scottish & Newcastle Brew-

eries' latest lager, Diablo. Served in jet black 275ml bot-

des the pack carries labels pro-

duced by B.H. Matthews Ltd

(Whitby Road, Bristol BS4 -

These were printed on

80gsm Chromalux paper in

five colours and feature spe-

cially formulated red ink which

Will make the name glow under

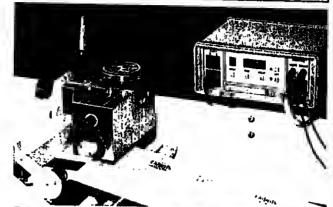
ultra violet light.

tel: 0272 714147, fax: 723193).

exclusively through Map 80.

Print/apply by computer

Wa focus on progress in source-labelled security tagging, case studies in laser coding and in-store barcode scanning, as well as the latest product and installetion news across tha laballing and coding spectrum.



ting on the digital display never actually varies, though within that it may fluctuate within half a degree or so. This means the Southam, Leamington Spa, user gets maximum life out of the hot rolls," says sales manag-0926 814477, fax: 812442). er Bruce Adair.

The single head can also

arm head and rotary arm head

all be included as well as vari-

able information such as date

(see PN November '94).

and batch codes.

Information can be downloaded from a computer fitted with a printhead. Both labelling package such as Prisym systems have the option of diffor Windows, or MS-Dos based ferent application systems: air Pri-Sym and Pri-Sym II, all jet head, tamp head, swinging from Map-80 (Unit 3, Kestrel Business Park, Ivanhoe Road, Finchampstead, Wokingham, Berks RGI1 4QQ - tel: 0734 Text, graphics, barcodes and variable information can 731800, fax: 731900).

print two different texts within

one pack length, says APT

(Boxwrap House, Westfield

Road Industrial Estate,

Warwicks CV33 OJH - tel:

The labal le finished with a patterned uv vernish for extra gloss



such as batch codes and best

before dates, as well as bar code

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Anything else is out of date

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# Pc control allows multiple reset of medical inkjet printer lines

LINXnet to control six inkjet printers for putting on pack names, contents, batch and catalogue numbers, expiry and dates of manufacture onto medical preparation packs at a rate of 4000 an hour.

At its Cambridge plant, three printers are installed on each of two lines fed by Multivac thermoformers producing packs three ar a time.

"We have some 400 different products and so changeovers are frequent," says Edward Dunlop, works director at Rocialle.

"Whereas it would take roughly two minutes to reset changeover, problem solving

bank of three can now be reset in little more than that time. The flexibility of the system also means that it is possible to programme cach bank of printers to handle one, two, nr even three different products," Mr Dunlop points out.

The LINXnet muki printer pe based control system supplied by Linx Printing Technologies ple (Burrel Road, St. Ives, Cambs PEI7 4LE tel:0480 300755, fax: 4950931 enables Rucialle to control the printers from a single pe and has achieved considerable savings time in set-up,

Up to 30 printers can be controlled by a single operator who can carry out a range of procedures including start-up and shur down with the system.

# "Called up

Mr Dunlop estimates the payback period to be within a year. Rocialle has worked with Linx to enhance the software so that each product catalogue number can be called up on screen, a feature that is now included as standard in the

achieved by inkjet printers in the packaging industry combined with the advanced technology of the printers has resulted in manufacturers developing the integration of printers more closely into production line processes.



Technologies: a central computer allows up to 39 printers to be controlled by a eingle operator, who can cerry





## Leaflet labels for vending

Aidap Marketing's adoption of Twin-Form leaflet labels on a 0284 701381, fax: 705575), and are applied to one in five cans sales promotion for the Milk Marketing Board, is believed to be the first use of these labels on vending machine products.

The Twin-Forms are a variation on the Fix-a-Form labels manufactured by Denny Bros Printing Ltd (Mildenhall Road, Bury St Edmunds, Suffolk - tel:

of plain and flavoured milk available from each vending machine. Each leaflet label incorporates an instant-win free gift coupon and more than 7000 of the three-colour 90gsin art paper labels are being used.



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The report formal wa preter is the format generated by X-Rita's QA-Mester sottwar We have enclosed a semple report for your information.

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**/ILI** 

# In-store tagging security solutions

How far away is a universal source-labelled product security tagging system? Opinions differ, but the pace of trials to combat shoplifting is increasing in a marketplace where retailers stand to sava billions of pounds. Paul Gander reports.

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One of the problems with instore tagging for security purposes is the need for a coveri system which deters staff as much as it diminishes external 'shrinkage'. But the prime need is to reduce the 1.5 million incidents a year of customer theft and so make the biggest dent in what the BRC (British Retail Consortium) estimated to be a

end/or a combination

ere 1.5-38mm HIGH Printing ere 1 PRINT HEAD to '50 or more ell et reel <u>BUDGET</u> PRICES

\$2 billion crime-fighting bill among its membership last year. Efforts to find a viable and

LABELLING, CODING AND MARKING

universal solution in the UK are being made by the Centre for the Exploitation of Science and Technology (CEST). While the large retailers are involved, in this area as in so many others, it is as much in their interest to compete in the search for solutions as it is to cooperate. After all, if theft is cutting millions every year off your competitor's profits, it is a major opportunity to steal a lucrative

march on the opposition. If EAS (Electronic Article Surveillance) tags were going to he applied in-store, as happens with the bulkier elothing rags at the moment, the use of different systems in parallel would not be a problem.

But r&d is being channelled towards a universal solution across the whole product range, and no retailer wants the added easts of applying tags or labels to everything. Hence, the product packer or manufacturer is faced with the possibility that differ-

ent EAS systems will have to be built into products at source for the different retailers.

want this either."

Surveillance technology

based on a tiny metal strip,

which could be integrated into

most labels and even packs, is

said to be ready. Work must

now be concentrated on the

area of activation in bulk, and

the linking of deactivation to

barcode scanning at the check-

out, says CEST (07)-354

9942). Of course, detection

"Bulky and

expensive"

Of the three main types of

technology available in EAS.

the best known to date is proh-

ably Radio Frequency Tagging

(RFT), which is traditionally

used in the bulky and expen-

sive units attached in-store to

The other two techniques acousto-magnetic and electro-

high value articles of clothing.

magnetie - both lend them-

selves to more discreet applications and involve cheaper unit

costs. Sensormatic's Uppe

(Universal Product Protection)

programme involves acoustic-

magnetic technology, but the

company also has its electro-

Several trials are taking

place in the UK. Sainsbury has

been carrying out trials at its

Vauxhall, London branch with

electro-magnetic tags on a vari-

ety of high-value products. In

this case the tags, supplied by

Eselte Meto (0753 810535),

Eselte is one of a handful

of EAS companies operating in

the UK all of which are as keen

to gain a competitive edge over

each other as the retailers they

CEST up to now has been

Knogo (0628 486414), but the

centre stresses the variety of

Working most closely with

have been risible.

hope to supply.

magnetic and RFT systems.

must also be foolproof.

Meanwhile, impatience is "You couldn't have a mix of systems, it would be a nightmare, and this is the need that we have begun to address," says Brian Weeks, commercial project manager at CEST. None of the retailers want a variety of incompatible sys-

growing within the EAS Man. ufacturers Association (EASMA) at the slow progress of the CEST programme towards firm conclusions. We feel that a lot of retailers are holding off investing in any one system until CEST opts tems, and the suppliers don't

covert EAS systems now avail able, and has not committed

itself to using any one of these

Results of the trials are not

expected until some time in 1955.

for definitely one," says Peter White for the association. According to EASMA,

retailers could begin actively looking for their own systems without necessarily compromising the long-term goal of universal source labelling, If CEST came down in favour of a standard type of electro-magnetic tag, other systems could migrate towards it.

It seems likely that an intermediate stage on the route

to a universal system will be a mix of a few distinct systems concentrated on well defined sectors such as music retailing, food and div. as more and more of the available technology is taken up by stores.

At that point there will of course be just the sort of cross-over between sectors which could cause problems and which manufacturers responsible for the different types of source tagging would like to avoid.

One company that has organised its own UPP trials in the US is the Sensormatic Electronics Corpotation. Initial attention has centred on the nitisic retail husiness, and tests are now underway in the Camelot Music chain of stores, the third largest retailer of tapes and discs in the US.

This acousto-magnetic Ultramax system is said to be virtually false-alarm free, a feature which is as important for retailers as the guarantee of detection when there is a theft, since false alarms can deter bona fide customers. The trials in music stores follow an agreement among totailer groups in the sector to standardise on technology,

Div in the UK looks as if it could be the fits sector to standardise with a single system, and this is likely to be an acousto-magnetic one.

### "Aiming to accelerate"

In the US Sensormatic has struck a deal with Avery Dennison to cooperate on automatic application systems for its Ultramax label. The aim is to accelerate the involvement of manufactuters, packers and retailets in its source labelling UPP programme. Application can be from a variety of highand low-speed machines, many of which can be inserted into

existing lines. Tom Parr, UPP programme manager at Sensormatic International in the UK (0442 212003), secs a universal system as being still several years off. "It's got to be a technology that is applicable to all trading styles," he says. According to Mr Parr, the type of outlet will determine the kind of detection pedestal -An exemple of Sensormatic's A-Technology

and hence the kind of avsteinwhich can be used.

While source labelling in freeing staff from the need to Sensormatic is centering on apply tags while being an effecacousto-magnetic, Mr Parr tive deterrent against internal agrees that electro-magnetic is as well as external theftprobably the most appropriate At the same time, retailers format for some outlets where will not have anything to do

a checkout system is used. Source labelling is being sold to retailers as a way of

allowing more open merchanwongly-installed LAS system dising and so increased sales, equipment.

packers, being able to offer source labelling for security is being presented as an added with systems which create as value service which will in time many problems as they solve. give them a competitive edge. It has been known for a According to CEST, an

to bring down a store's entire. switchability, If contact with individual tags is necessary to Electronic Point of Sale (epos) activate or deactivate them, the For manufacturers and centre argues, the system will be inelliciem for supermarkers.

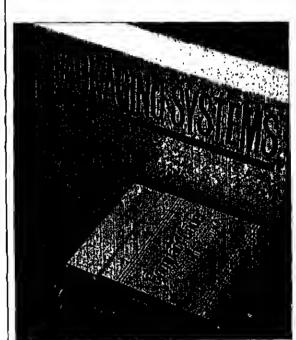
> and larger stores. Details about its Retail Crime Initiative and research findings can be obtained from the BRC (071-371 5185).



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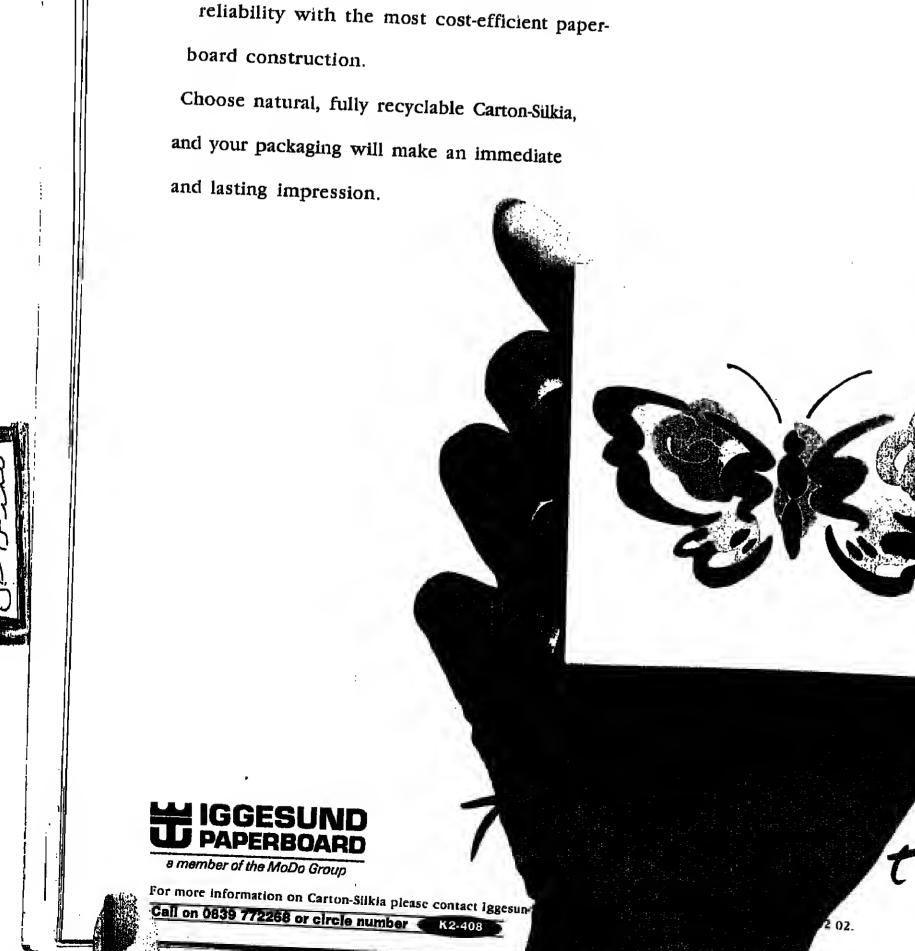
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LABELLING, CODING AND MARKING

# Shopping by scanner



CBS Wholesale, the independent specialist wholesaler of callecties and chemists surdries, has installed what is believed to be the first barcode-based radio frequency product selection system in a retail outlet in the UK supplied by BPCC Numeric Arts. are leaded or delivered," says

"Our objective was to improve our customer service, making cash and carry shopping easier and more efficient, by climinaring the traditional problems and headaches associared with it." Mike Hayward, sysrems manager at CBS, tells Packaging News.

Whereas before customers took two to three hours to do their shopping, now they enter a showroom with all the products on display and with a laser raths terminal (LRT) gun scan the shelf-edge barende labels of the products they wish to purchase. "Our customers only have to wait 15 minutes now. All their goods are ready for them and

Geoff Clarke, CBS md. The showroom carries samples of every product presented in its retail packaging rather than in box or shrinkwrapping. This srops pilfering, while allowing customers to handle and examine the products, says Mr Hayward.

Numeric Arts md Barry

Jervis tells PN: " Once the system is perfected at CBS, the company will be looking to expand into the retail and

warehousing sector." Numeric Arts (First Avenue, Globe Park, Marlow, Buckinghamshire SL7 IYA tel: 0628 487000, Jax: 487006) is currently discussing installing imilar equipment at other etail outlets.

On entering the site, each ustomer is given an LRT gun which is then programmed with his or her account, particular profit return details and loading bay number.

### "Placed on convevors

Once a product is scanned this information is relayed to the warehouse. Products are placed on one of four conveyor belts leading to a central sorting bay, where an operator reads the barcode; the product is then automatically sorted into the customer's own bay.

> CBS has set a two-year payback period on the system.

Modifications will allow customers to call up a record of what rhey have ordered and how much they have spent on the gun's mini screen. We chose Numeric Am

because the gins are a good shape and also fairly rugged for warehouse handling, as well as being easy to use", says Mr Hayward, Initial difficulties with the system included problems with the guns and the radio frequency.

Stocktaking is also undertaken with the scanners, which has improved efficiency.

Any products that do not have a manufacturing code are given one for the warehouse by CBS. "Nowadays around 80 per cent of our order already have a manufacturing code, In 1982 only 10 per cent of goods were coded," he says.

Mr Jervis says the design and installation of the equipmenr was easy, the only problems being where to put the antennae and the base stations.

When CBS ctistoniers were warned about the changes, "some of the old die-hards moaned", says Mr Clarke, "But so far we have not had one complaint and even the old diehards have been converted".



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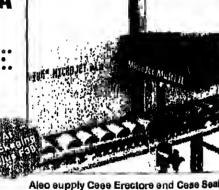
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# stops production tracking errors Systems (Nikon I-louse, 380

**Barcode system** 

Viglen Computers noticed an immediate change after it had installed a barcode labelling system supplied by Bar Code Systems into its production system.

Armand Abrainian Viglen's production manager says: "Errors in production tracking went down to nil and accuracy was 100 per cora. The unique barcode serial number on each pe and order enabled us to pinpoint its original destination should a machine go

Previously, production at the company was between 30 to 40 computers a day, "Staff would emer each stage on a piece of paper and the information would be entered twice daily onto the darabase. This was rime consuming and prone to errors," says Mr Abramian.

### "Hard to track orders"

When production increased to over 50 units a day, it became difficult to track orders and keeping records updared was a major task, he says.

At present, Viglen manufactures around 350 machines a day and work in progress numbers 2500 to 3000 machines. During the next two years Viglen expects its manufacturing outpur to treble and, with this in mind, plans to extend the barcode system to include parts and look at other developments for its use.

The first step in applying a barcode system for tracking work in progress is to barcode serial numbers to identify rhe order and rhe pc. Bar Code

LABELLING CODING AND MARKING

ferem flags, which allow for exact pinpoining of a machine in the factory. The first flag prompts the operative to key in his identification number before he can proceed. Other flags include order feasibility, a reminder to assign a barcode setial number, paris out of srock, and so on.

Before leaving the premis-es, each computer has a 12-hour hurn in. This is an allnight test to check if any faults develop. At this stage, a protable scanner is used to scan the results of the test and this is then uploaded into the network system. Iny machines with a fault are returned to be rewurked.

Finally at despatch the pe is scanned and the barcoded address labels are printed for the outer cartons. The pe's records are sent to customers members of staff can see the

Bar Code Systems originally advised Viglen on the system and equipment avail-

bed 1.1.701 scarnters and soft-

status of each order on screen.

ware linking the network to a



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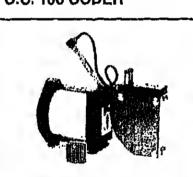
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Label logistics problem solved Previous hand applyinger outer carron labelling wa proving too difficult and according to Weyfringe, by applications were not smaller many broduction rais was Instouter specific and label contem varied frequently.

LABELL BANG CODING & MARKING

Following a study of Hygrade's requirements & Quattro RT system was proposed by Weyfringe (Loog beck Road, Marske, Redu, Cleveland TSH 6HQ-rd: 0642 490121, fax: 490385).

### "Content may vary"

The Quattro RT is a real time print and apply labelling sp. J tem specifically designed to allow simple label content upation to the point where, if noessary, each label applied on coutain different information.

To achieve the wraparound of the label on two faces of the carron, pneimatic rain assenblies were mounted on the conveyor. These rams are conwolled by the print and apply cycle and apply the wrap round section of the labd around the 90deg outer come.

To get over the problem of not using per in the food operaing area, the system is controlled by a hand-held terminal using a Psion organiser, Label formus are prepared on office-based poand downbacked to the Psion.

For Juriher Call for detail information 121 0839 7726

# UV ink gives good adhesion

A white av-cure ink from Videojet Systems International has the advantages of good adhesion and resistance to alenhols and petrnehemical

Weyfringe Quettre real-time

lebel print end apply eyetem

Hygrade Foods Ltd, manufac-

turer of sausages and cooked

meats many of which are sold

under supermarket own-

hrands, has solved its label logistics problem by installing

II print and apply labelling

systems from Weyfringe Ltd. Barende lahels have to be

applied to two sides of outer

eartons in facilitate product

identification and automatic

stock analysis, as well as having

to include unique information

such as sell by dates and pro-

Specified for use with the company's VJIII/P, VJIII/XP and Excel P printers, the 16-2720 ink combines with a uv system to give a curing time onto pvc of less than 0.5 seeonds. A typical 300 Watt uv cmission focused on a 2em spot can be used. Glass, metal and dark plas-

ties are annoug the substrates for which the ink is suitable The permanency of the ink stands up to anything from memor oil to mild acids, says Videojet (Videojet House, 15) Dixons Hill Road, Welham Green, Harfield, Herts - tel: 0707 275844, fax: 275893).

The company will design and install coding and curing systems adapted to a particular substrate, uv energy, bulb type and orientation.

For further K2 Call for details information 120 0839 7722

Ring: 0898 772268 for fast enquiry response ... (see page 2 for further details)

TO THE BACK FOR THE BEST RECONDITIONED MACHINERY

# Peel and smell tester

The Aromatic Label is the latest fragrance lahel to enter the market, developed by Norprint UK. But unlike other smelly labels, it works on a peel and smell as opposed to scratch and sniff basis.

Its multi-layered construction allows the perfume or aroma 10 be released by simply pecling away the top layer, using a peel back corner. This has been bonded to the base and on removal is a dry nonsticky carrier of the seent. It can be printed on one or both sides.

The bottom adhesive layer which remains behind ean be either elear acetaic to protect the integrity of the pack or product design, or itself printed.

Any aroma can be incorpotated imo the Norprint label and the principle can be applied to other label constructions such as folded labels.

"We believe it is easier for the consumer to use as well as more versatile as a promotional

of fragram labels," says Norprint's general manager, Andrew Scringeour.

Norprint (Horncastle Road, Boston, Lincolnshire PE21 9HZ - tel: 0205 365161, fax: 591251) says that it could develop a rescalable peel and smell label if requested.

The first Scratch 'n Sniff label to be used on-pack for a fabric conditioner at point of sale is carried on 320 inl and 640 ml gable-top refill cartons of a Comfort fabric conditioner.

The 27mm diameter fragrance labels, printed in magenta, are manufactured by Sessions of York (The Ebor Press, York YO3 9HS - tel: 0904 659224, fax: 644888).

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Call on 0839 772268 or circle number (K2-448) PACKAGING NEWS/FEBRUARY 1994

# ING, CODING AND MARKING Resealable leaflet provides security

A resealable leafler label is available from Labeltech, offering the space for text and the security especially required by the pharmaceutical and health-

Capable of fining onto the surfaces of smaller containers, Pharmatexi can be adapted in size and shape to suit individual needs, with pages perforated for easy removal if required, says sales ilirector Roger Chadwick.

"It has been developed specifically as a solution for pharmaceutical and healthcare product manufacturers often needing to provide considerable information, but being restricted by the size of the container," says Mr Chadwick.

There is adequate space on

other warnings, active ingrediems, storage instructions, expiry date, batch number, preparation date and barcode.

Leafler labels are a convenient rouse for manufacturers wanting to avoid the cost of installing cartoning equipment where they are not already using it, but needing to put more information onto containers.

The Laheltech system also addresses the problem of contaitier size, which often makes on-label information impractical in this sector, says Labeliech (Critall Road, Witham, Essex CM8 3BJ - 1cl: 0376 501144, fax: 510979).

For further K2 Call for details information 135 0838 77228

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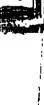








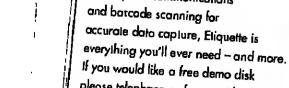












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pha-Numeric International, Alpha-Numeric House, Furlang Road, Bourne End, BUCKS, SL8 5AQ. Tel: 0628 810180. Fax: 0628 810157 See Etiquette demonstrated at Warehouse '94 stand J22 and Packaging Pius Wembley stand B37

### Vector laser preferred

For flexibility and control in the marking of high-density barcodes onto pve for product tracking, MediSense Inc chose a vector laser in preference to a mask system or inkjet.

Laser Lines is supplying blood glucose sensor manufacturer MediSense with a Bansel Nd: YAG solid state laser for a quality control system. Pvc is marked with codes containing 12 digits of information.

Machine and human readable incremental codes are put down at a speed of one a second. The sophistication of computer control, the ability to change on the fly, the lack of moving parts and the feasability of in-house maintenance all contributed to the choice of the system.

Code change on a CO<sub>2</sub> mask system was considered too slow, it would have required a shuttle system to move the laser, and would have given poorer contrast, says the company.

Too many inks and chemicals were involved with the inkjet, it was considered, and there would have been a need for multiple heads for a barcode. Although contrast is good with inkjet, density and quality are low, says MediSense. In another installation for

BT & D Hewley Packard, an Nd: YAG unit coding part numbers onto opto-electronic transmitter-receivers was supplied by Laser Lines (Beaumont Close, Banbury, Oxon OX16 7TQ - sel: 0295 267755, fax: 269651). As well as marking label laminates, BT & D codes directly onto a range of metals and rubber.

# Laser coding 24,000 yoghurt pots an hour

Line speeds of 24,000 voghurt pots an hour can be matched by a laser coding system installed by Technology Systems at Yielding Tree Packers.

This is achieved by use of a shuttle system combined with a split coding head to mark two rows of six pots rather than a single row. Coding takes place onto lids during dwell time on the line. The split head avoids the need for two separate coding heads.

Yielding Tree chose the laser system to complement its newly installed Hamba potting machine for Manor Farm yoghurts. On its previous, lower-capacity machine, the company used an inkpad system which required constant maintenance and refurbishment, says md John Morris. The system would anyway have been inappropriate for the high-capacity machine,

"You can't afford to have

Excessive downtime due to

printhead clogging led Sheltie

Seafoods to turn from inkiet to

laser for best-before dates,

with an installation by

Lumonics Ltd Hull Opera-

A Lumonics Xymark 7000

is used for coding inline onto

cartons of fish-in-sauce in

Sheltie's Hull factory, Software

on the system allows for up to

three lines of text in a 7x5 dot

matrix at speeds of up to 650

"We had experienced prob-

For many information

Surrey CR2 6AN

contact Angela Lauke at

PPMA Ltd, Progress House,

Fol. 081 681 8226 Fax: 081 681 1641

characters a second.

No more clogging

lems with the inkjet system LaserMark 940 pulsed CO2

Low maintenance and running costs, high speed, hygiene and reliability are all banefits persuading manufacturers - despite high capital costs - to turn to laser rather than other coding technologies, reports Paul Gander.

used our best endeavours to cover every potential weakness in the whole system. One of the main components was the batch and date coding," says Mr Morris.

"We were looking for equipment which gave good results and which didn't interfere with the operation of the machine, with minimum maintenance," he explains.

Although start-up cost is high, there is a minimal requirement for consumeables, Mr Morris points out. "I felt that laser was the ultimate. I'm convinced that inkjet is good any stoppages with a machine but not as good, and frankly I don't like ink," he says.

installed on the line and were

keen to find an alternative sys-

tem which would not have the

same high labour and down-

time costs," says Sheltie pro-

are coded on the Sheltie line.

Ease of use and cost-effective-

ness were further reasons for

the company's choice, says Mr

Carter. No routine cleaning or

maintenance is required with

the Xymark, which incorpo-

An installation of eight

rates a sealed CO2 laser.

Up to 80 cartons a minute

duction director Bob Carter.

Lasercode is a mask-based system based on the CO2 TEA principle, Semi- and fullyautomatic mask changers are available. Lightjet is a transportable dot-matrix system. with sequential and batch coding and an encoder interface for variable speed lines.

Shuttling systems were originally developed with Lasercode, but have since been adapted for Lightjet. "This is increasingly where we're making sales and where we think the future lies," says David Miller, deputy managing director at Technology Systems (Unit 4, Avenue Two, Station Lane Industrial Estate, Willey,

systems at Portuguese brewer

Centraleer complies with legis-

lation by putting best-before

dates onto paper labels. The

company required a high speed

system which guaranteed qual-

ity coding and minimal run-

`Lase of use:

demanded"

"With the high throughput on

the production lines, reliability

was vital, something our previ-

ous coding system did not deliv-

er. Centraleer also demanded

ease of use and cost effective-

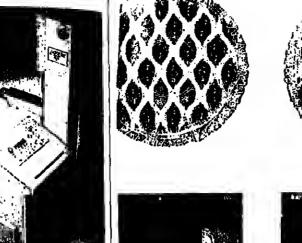
ness," explains engineering

manager Nuno Meireles.

ning and maintenance costs.



Oxon OX8 6YD - tel: 0993



776601, fax: 705826).

A Belgian system installed last year uses a shuttle-mounted Lightiet to code plastics floppy disks directly with indelible batch codes, switching to any one of three lines on demand. As an alternative, inkjet is said to have provided problems of permanency and legibility.

Yielding Tree is the company's first installation of a split coding hearl on a shuttle rather than a static installation, says Technology Systems.The coding head has a traverse speed of up to 45m a minute.



Worldwide, 300 brewery

installations have been made

by Lumonics (which is based

at Guthenburg Way, Sutton

Fields Industrial Estate, Hull

11U7 OYE - tel: 0482 831154,

Also available from

Lumouies is the Xymark

Sprint for high speed opera-

ticuts. The Sprint can run 300

per cent faster than the stan-

dard Nymark to produce 1950

characters a second. A remote

Ltd was purchased by the

Lumonies Inc group to

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Last year, Cuherent Hull

scanning head is available.

become Lumonies Ltd.

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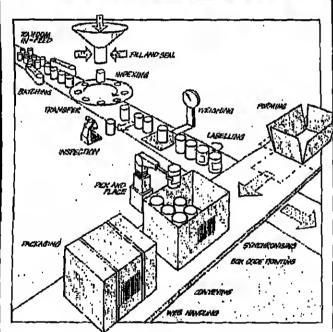
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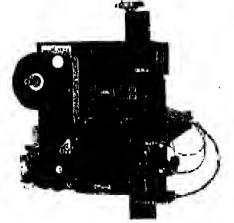
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Being slower drying than alter-

natives, the glue is said to hold

label corners back more success-

On the one litre bottle line.

# Model-maker cans sport pet sleeves

Used for Humbrol hobby paints for many years, [4m] mini cans are now sporting pet sleeves for the first time.

The cans, instantly recognisable to generations of model makers, are no longer printed directly on the metal surface, instead the 40 micron sleeves are printed in red, blue and black on an overall white background. They still retain the familiar Humbrol logo and instructions in six languages.

"When our print machinery used for these Humbrol tins finally needed replacing, we and Humbrol took the opportunity to review the method of decoration," says Jim Snell, administration manager at manufacturers of the cans, CarnaudMetalbox Speciality Packaging UK/USA.

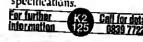
"Shrink sleeving not only proved to be cost effective but

Packaging Plus Stand N° D29

is also ideal for application on a high speed automatic production line," he commued

The sleeves are manufactured by Decorative Sleeves (Rollesby Road, Hardwick Industrial Estate, King's Lynn,

769319, (ax: 767017) and, says CarnaudMetalhox, was chosen as supplier to best meet the





todiski jo skolisti vnidkerrorem kaj domitični prestarim koristi

Inkjet aids stock control of Bach flower remedies

Alternative medicine producer Bach Flower Remedies has installed a Cueprint Elite inkjet printer to help its stock control procedures prior to labelling products for export tround the world. Bach produces 39 varieties of remedies made from flower essences. Around 5000 bottles

are produced in each batch, but

because many overseas coun-

uries have different labelling reg-

lations and requirements, the

bottles are not labelled at the

production stage, only when their final destination is known.

This led to some confusion when bottles occasionally became separated as it was not easy to establish which remedy they contained. "The code now tells us what's inside the bottle", said Sylvia Ravenscroft, production supervisor at Bach Remedies.





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The Cueprint Elite prints of simple batch code in white into onto the side of the bonde to allow easy and immediate identification of varieties.

Bach says Elite was selected because of its compact dimen (4) sions and case of operation "We looked at several different inkjet models but many of these were quite big and bolks with lots of connecting wirs and cables, and their size would have been a problem in our fe-

tory, says Ms Ravenscroft. t lueprint is at Compton Place, Surrey Avenue, Camberley, Surrey GU15 3DX. iel: 0276 691730, fax: 686895).

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PACKAGING NEWS/FEBRUARY 1994

BARRETTO DING AND MARKING Three-head accuracy Glue stops 'winging'

A three-head mainline label application system from Avery Dennison has been supplied to Boots Contract Packaging, the first UK company to use the

Brought in to label 15ml jars of Boots own brand 'Natural' range lip balm - a new product for the retailer - the ALS 2000 ean apply labels at speeds of up to 50 jars a minute.

High accuracy is said to be a major feature of the line. This is achieved by the use of stepper motors and inicroprocessors, which allow for independent head speed and label positioning controls.

High gloss paper self adhesive labels are applied to the lid and different sections of the circumference. Boots Contract Packaging found that many of the problems associated with small jars of this type were

Positioning is vital when applying circular labely onto small circular lids, since inaccuracies are particularly noticeable. This means that the track and mounting must be free of all movement including vibration. Traditionally, application of long side labels onto jats can also be a problem.

Close installation of the infeed conveyor up against the labelling conveyor ensures uninterrupted movement for the jars, and the photoelectrics sourced for the system also had to perform extremely well.

Standard features on the modular ALS 2000 include integrated electronics and separate operator controls, a Delrin slat conveyor, centrally driven spring-loaded top hold stabiliser belt and four-way adjustable head supports.

An automatic in-line applicatur primarily for self adhesive labels on paint cans has also been introduced by Avery Dennison (Business Systems Division, Woohnru Industrial Park, Wooburn Green, High Wycombe, Bucks FIP10 OPE rel: 0628 859500, fax: 859599).

According to the company, paint manufacturers are tending to identify contents by using labels rather than printing directy onto cans, and so reducing stock requirements. The CL200 applicator will label up to 40 products a minute. Two or three labels can be applied to single cans in one pass.

Changes to the water-based adhesives used at the Buxton. Mineral Water plant are alleviating problems of labelling

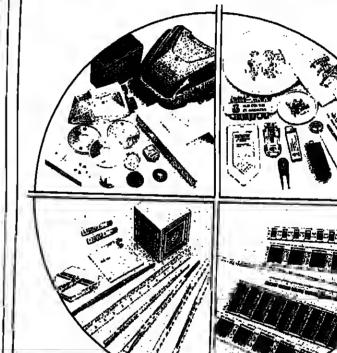


fully and prevent 'winging'. Since then, fewer problems have An audit of the plant by occurred with the large label, Data: Adhesives Ltd led to the which has no run around three adoption of its RO987 adhesive. sides of the square 5 litre bonde.

> Datae found that the high viscosity adhesive used was causing messy conditions around the machine. By switching to the company's own 7026K adhesive, with its lower viscosity. Buxton found that the machine kept itself much cleaner. Lahel security and a good fibre tearing bond are assured with 7026K, says Datac (Globe Lane Industrial Estate, Dukinfield, Cheshire SK16 4XF - 1cl: 061-339 8400, Lax:

061-343 2713). For further (22 Call for details information 0239 77226

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tling lines where high speed

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essary downtime.

long respectively.

guards against seepage

4021, fax: 081-965 1591).

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# UUNWELL

# Slitter suits carbonless paper

An addition to UK firm Atlas Converting's range of slitter rewinders, the CWS 400 machine will decrease set-up times and downtime, says John Southall, marketing director.

The CWS 400, a centre rewinder, was introduced late last year and is particularly suitable for carbonless paper

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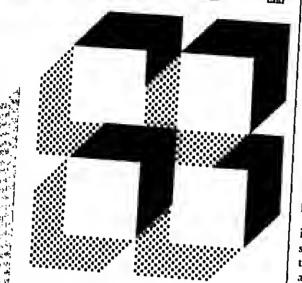
applications. "This is because the hardness control for carbonless paper is so critical in order to avoid the chemical transfer of carbonless papets onto the roll," Mr Southall tells Packaging News.

The machine's rewind contact pressure control at high speeds allows it to avoid the INTERNATIONAL FAIR

chemical transfer. In addition, it offers easy finished roll handling and "exceptionally fast set-up and rewind times can be used to significantly reduce downtime," says Mr Southall. Incorporated is an air expanding differential winding

loading of the rewind rolls onto automatic stripper trolleys also eliminates the need for expensive shaft handling equipment. Atlas is at Wolseley Road, Kempston, Bedford - tel: 0234 852553, fax: 851151.

shaft which allows infinitely variable slit patterns between



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# Accurate colour gauging

Complementing its existing range of portable spectrophotometers and at under threequarters the cost of other models, Minolta has intraduced the CM-500 series.

According to Minolta, high accuracy is maintained with this addition to the range which fits in with the increasing effort and resources being invested by companies in quality control at all stages of the production process.

Accurate colour control is increasingly demanded at all stages from product planning through design and production all the way to sales.

The product is likely to appeal to users wanting to upgrade from a colorimeter, and ultimately the colorimeter market may shift altogether to lower cost spectrophatometers, says Minodia. For the moment, though, there is still: substantial price differential between the most affordable spectrophotometer and top-ofthe-range colorimeters.

The CM-500 is said to be the only portable spectrophotometer to offer transmission measurement as well as reflectance. Data can also be scanned in using a barcode pen-This could be used to guarantee consistency where a barcode identifies a product and its colour formulation recipe for accurate reproduction.

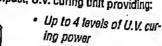
Minolta (Tanners Drive. Blakelands North, Milton Keynes, Bucks - tel: 0908 211211, fax: 214313) has also launched its first desktop spectrophotometer, the CM-3700d.





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PACKAGING NEWS/FEBRUARY 1994

Fast pre-press trapping

Contex SmarTrap, a trapping pre-press system being launched by Xyvision Colour Systems, is said by its maker to be the fastest in the world. Gwyn Matthews, Euro-

pean general manager at Xvvision (246 Bedford Avenue. Slough, Berks SL i 4RJ - tel: 0753 820565, fax: 0753 694944) tells Packaging News: "Jobs that take nine hours on a Mac. can take under 15 minutes with SmarTrap and that's while you're doing something else at the same time."

### "Offered as a standard module"

Contex version 4.3 SmarTrap is being offered as a standard module with the company's existing software, "Everyone with maintenance contracts with us gets it as part of the upgrade; there is no additional cost".

Problems normally associated with automatic trapping systems have largely been dealt with, says Mr Matthews. Trapping is the pre-press function necessary to overcome the natural misregister of the print process and eliminate the unsightly white gaps between colours.

This system is automatic

An additional budget tape slit-ter, the ALS 1500Mt, has been

developed for tape distributors

specialising in electrical rapes by

John Lack Equipment, to com-

plement its range of ALS Auto-

matic Log Slitters and Winders.

50 and 66m by t500mm wide

are easily slit into widths of 3-

100mm, says the company. Suitable for slitting pvc,

Log lengths wound to 33.

Budget tape slitter

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SYSTEMS

and intelligent. "It deciphers phers shapes and allows for which colours go under anoththin lines and small text. er. It knows that lights go The system runs on Silicon under darks. And, unlike other

Jobe that take 8 hours on a Mec, take under 15 mine with SmerTrep

automatic systems, it reviews which are multi-rasking. Tables the whole thing and allows you for pre-press production can be to change it," he explains. saved and edited later and Con-A number of Xyvision's tex SmarTrap will only need to customers, which are now calculate the new trap areas, not upgrading to the SmarTrap reprocess the entire job, resultsystem, include: The Box ing in more jobs trapped per Room, Wacc and DRP. shift, says Xyvision. Key features included in

the system are that it also deci-

cloth tapes and other pressure

sensitive tapes, the slitters long

support ensures a precise cut

without damaging the outer

layers of the tape, claims the

company (Unit 6 Denington

Court, Denington Industrial

Estate, Wellingborough NN8 -

tel: 0933 441646, fax: 441476).

Graphics Unix workstations

THE RIVER TON

MECA.

A SURVEY of economic trends in eloo elerted on the devalopment the fourth quertar of 1993 hy the British Printing Industriae Faderetton (BPIF) on roti label acinters indicatee that demond wao consolideled in tha finel quarter ol laot year. A elzeabla minorily experienced a lucihed improvement in both general rading conditions end the volume of orders received. Around 8G per cant ware able to raise outpul. Howevar, thara was e 60 per cent cut in prices and 80 per cent had spera capecity at year end. Over hell tha idustry will apend mora on machinery in 1994 Ihan in 1883, saye the 8PIF (tel: 0254 677100, Jex: 892800).

OUFFY Converting Equipment Lid, a new Blackburn besed siltting and rewinding machinery menul ecturer (tal: 0254 877100, lax: 882800) hae complated its fire! machine lor hot etamp foll celled a Starlet. It handles 12 micron metalilead and pigment hol Joli to e width 1 782mm on 750mm diameler mastor reals onto 1 or three inch i/d cores at epoeda of up to 120m per minuta.

THE NATIONAL COUNCIL for Vocational Quelifications (NCVQ) and the Scottleh Vocetional Education Council have pproved the pepar and boerd moking KVQs and SVQs put forwerd by the SPIF. Work has

end production of aupport material which will include a ganerel schanta guide.

NORTHPRINT '94 will be held from May 17 Io 19 at the Harrosate Exhibition Centra. Organleed by Raed Exhibitions Companies it has attrocted 1GG companias, which will show a ranga oi graphic erte equipment, meteriols and eervicae from pre-press to finishing, Contect: Jana Flatchar - tol -081-948 9800, fax: 081-948 9877.

TO ENCOURAGE excellence in printod salas materiel, a Seleo Support Literature Compelition hae been launched by Ptcon, the ossociation roprosenting the printing, publishing, pulp. paparmehing and converting Industrias (tel: 071-831 3303, fex: 071-831 8029). The judging for the competition will take place during March with tha ewards being presented et Picon's agm on April 14 in tha Stalloners Hell.

THE SOLID CASE GIVISION OF 8P8 Paper end Packaging hoo ordered three French bulll Sodamo BMV15 tray eractor mechinae Irom Edion Mechinary In London (tol: 0288 631623, lax: 631430), which are dasigned to assemble board and corrugated fibreboerd trays for iruli and vegalable growers.

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REFERNAUSER 60, 1300 MM DOWN STREAM
ANCICLE WAS 700, 186, 1991, 1500 MM DOWN8TREAM, AUI ODACH TO BACK WRIDER
MACH ESI 00,300 NOC, 1993, 1500 MM DOSCIL
LATING TAKE OFF, 1600 MM DIA REELS
WINDER, FOR 1500 MM DIA REELS
WIN 1500 MM DIA REELS
WINDER, FOR 1500 MM DIA REELS
WIN 1500 MM DIA REELS

HAULED 1990)
PADANE STRATOS, 8 COL., 1850 MIN, 1979, 80
FISCHER & KRECKE 12DF, 4 COL., 1050 MM.

FISCHIBM & RHECKE, 120F, 4 COL. 1050 MM, 1978
SIELLONI, 8 COL. 1290 MM, 150 MM, 160 WM, 1734, 4 COL. 1400 MM, 1502
MAP GALANY, 8 COL. 1 450 MM, 1984
FLEXO STACK
CARRARO, 4 COL. IN 6 COL. FRAME, 1270 MM, 1977

1877 CARRARO, 6 COL, 52° (1320 MM), REVERSE PRINT, 1978 CMF SUPER-FLEX, 6 COL, 50° (1270 MM), REVERSE PRINT, 1862 FLEXOTECNICA, 6 COL, 1050 MM, 1982 1 MTR UWPAW

LW/FW MAF, 4 COL, 050 MM SCHIAVI FLEXCIET, 4 COL, 1830 MM WEB,

BOTHAVI FLEXOUET, 4 COL. 1830 MM WE6, 1971
LEADERFLEX, 2 COL. 181. INE, 1018 MM, 1888 (SMOWPHOUM MACHINE)
FLEXOTECHNICA, 3 COL. IN 4 COL. FRAME
PRESS SECTION, 1900 MM PRINT
WOLVERINE, 3 COL., 612 MM, 1200 MM
UNWIND 8 REWIND
OMAT DERTHONA, 4 COL. 1850 MM WEB 1250
MM DIA, UNITY, 1895
CARRARO 1938, 8 COL., 1030 MM, 1884
FLEXOTECHNICA BETA 806, 8 COL., 1490 MM, 1888

PLEADIESTINGS BEIN SON, WEB, 1980
UTECO INLINE, 4 COL., 1258 MM WEB, 1990
CALA MILINE, 4 COL., 1800 MM WEB, 1991
ROTTOGRAVURE
ANDRIEDTTI, 8 COL., 800 MM, AUTO BPLICING, 800 MM, PACKAGING FILMS, 1970
HOLIVEG, 8 COL., 810 MM, NON 810P LW/RW, PACKAGING FILMS

PACKAGING FILMS ROTOMEC, 7 COL 1000 MM, PACKAGING

ROTOMEC, 7 COL 1000 MM, PACKAGING FILMS
TECHO HELIO 308,8 COL, 850 MM, 1678 WAH MERICUP, 7 COL, 1000 MM, PACKAGING FILMS, CIRCA 1679
BLOCI, 7 COL, 1050 MM WEB, PACKAGING FILMS, CIRCA 1679
COATING/LAMINATING
BARJAAG/ FER YAPPA EXTRUSION COATING/LAMINATING LINE, 500 MM
EGAN EXTRUSION COATING/LAMINATING.
LINE 1100MM

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DUSENBERY TYPE 800, CENTRE SURFACE, 1400 MM WEB, FILMB
GOEBEL UPLEX, 1850 MM, 1870
GOEBEL WIZE, 1400 MM, 1962
HARNOEN B4, 830 MM, 5HEAR CUT, SINGUE RW, NONEXT FILMS AND LAMS
ELDEC PAPER SLITTER. 1150 MM
WEB, 1000 MM HINNIND, 000 MM REVINO
TITAN SRG, 1300 MM WEB, 1000 MM LIN.
DUPLEX 600 MM RW.
DUPLEX 600 MM RW.
CAMPF, 1300 MM WEB, 1000 MM LIN.
DUPLEX 350 MM RW.

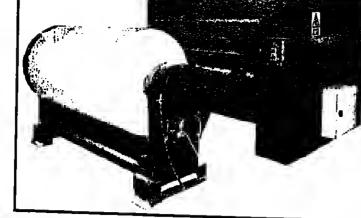
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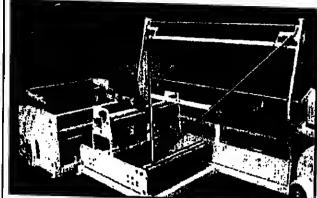
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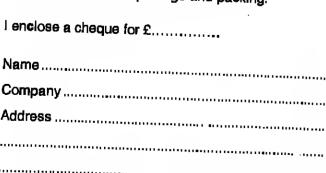
"In my years in the trade, I have never before seen a book that even attempted to explain the inks to the printer in his own terms, let alone succeeded." That is the view of Dr John Arnold, Director of Corporate and Policy Affairs of the BPIF of the new book by ink consultant Chris H Williams FIOP, LRSC, MInstPack.

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produced in a variety of thicknesses. Once finished, the reels are wrapped in pe and ed Materials Ltd. Applying its despatched on pallets, or in the experience in release liners to ease of opp and pet, on suspended cores

Frozen cartons

get protection

concluded that there can be no

objection to using Scotchban

protector impregnated cartons

as packaging for deep-frozen

Does not

recyclability"

3M UK ple, Scotchban's pro-

ducer (3M House, PO Box L

Bracknell, Berks RG12 HU

tel: 0344 858000, fax: 858278) is

hoping to expand the use of the

protector throughout Europe.

The product is already widely

show that Scotchban, which is

applied to papers to make them

water and greaseproof, does

not affect the recyclable and re-

pulpable properties of the

Tests were also said to

used in the UK.

paper and board.

affect the

Tests carried out by the

Munich based Fraunhofer

Institute for Transportation

Technology and Packaging

prove that Scotchban impreg-

nation protects deep-frozen

carton products, according to Scotchban Protector Products.

The iests evaluated the rel-

ative performance of two types

of packaging for deep-frozen

products stocked for six

Cardboard cartons were

tested, some pe laminated,

some treated with Scotchban

protector. Both of these base

coats were given either a ny or

Careed to

same degree"

Fond product quality was said

to be lowered to exactly the

same degree, whether pe lami-nated or treated with Scotch-

ban protector. Scotchban

A range of silicone coated

release liners has been launched

by the UK firm, Sterling Coat-

films, the firm has made a

stera-film in hdpe, ldpe, pp and

has installed a 1.6 metres wide

uv curing silicone coater,

which produces a smooth coat-

ing suitable for even the most

In order to do this, Sterling

pet based release liners.

Silicone coated

release liners meet

toughest demands

months at -20deg C.

an emulsion lacquer.

"Reels are despatched on pallets"

demanding applications, Sicrling also has a 70mm wide according to David Scott, maruv curing pilot conting line, keting manager at Sterling which enables it to undertake development work for a client's specific application. Markets for stera-film range include release liners for selfadhesive labels, bituminous huilding products and selfadhesive tapes.

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Winney, Claon OX8 5DP / tel:

5993.706700, fax: 6993.776977). "With high speed webs

2in apari in opposite direc-

tions, festoon tensioning systems are particularly prone to

static problems," points out

Meech director Chris Francis.

"Static attraction can deflect

the web path, leading to loss of

tension control, and there is

the risk of webs touching,

causing snatch, or even adher-

has application in anti-static sys-

tems for preventing ink fly or

cobwebbing during flexo print

ing, inhibiting dust attraction

and neutralising build-up of

potentially dangerous static

charges in rewound reels. Static

elimination also prevents electri-

cal interference with sensing

nsminiems used in registration

and tension courrol, says Meech.

The 903 Power Source also

ing and breaking."

stera-lease

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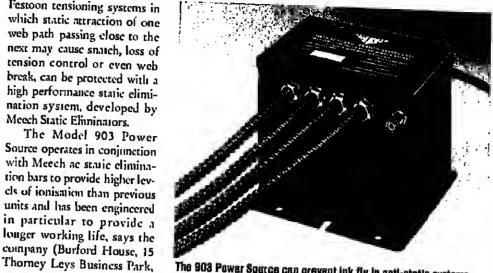
Sterling's expertise in silicone coating, paper technology and adhesives enables it to help you select the ideal release liner for your application.

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### Sterling Coated Materials Ltd

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Static protection on

festoon tensioners

The 903 Power Source can prevent ink fly in anti-static systems

# Microprocessor tension control

Up to 50 different operating set-ups can be held in store by a microprocessor-based version of the SteadyWeb tension controller introduced by Dover Flexo Electronics.

Meech Static Eliminators.

Able to operate in conjunction with electro-magnetic partiele or air-operated clutches and brakes, as well as de drives, the Steady Web has an analogue tension meter as standard and is equipped with a two-line 32character led display which is readable under all viewing conditions, says UK agent Swallow Machinery (Sovereign House, Bishops Way, McItham, Huddersfield, W Yorks - tel: 0484 850690, fax: 0484 852422).

Low cost

inspection

A low cost video web inspec-

tion system that is pe-based

and said to include features not

usually found on basic equip-

ment, is the first product from

newly formed inspection

developed primarily for the

narrow web market and, as

standard, includes three memo-

ries together with a position

indicator that shows which

area within the print repeat

The Lynx system has been

equipment company Tectonic.

video

### ...... The three memories and a split screen facility allow pre-

units at any time.

vious or earlier runs of the same job to be compared in real time with the current run. explains Tectonic, whose systems are marketed in the UK by Polygraphica Equipment (P O Box 56, Wakefield, West Yorks WF2 7AS - tel: 0924 200444, fax: 0924 363714).

Also introduced by Dover

Flexo Electronics is the micro-

processor-based SteadyView

tension indicator, a compact

unit that can be mounted

inside an existing panel if

required. The microprocessor

allows the unit to hold calibra-

tion in memory and store user-

defined limits for the optional

allows data to be collected over

a period of time, while the

readout displays tension in

Imperial, PLI, or metric units

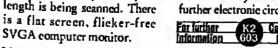
and can be switched between

An optional RS232 port

tension limit switch feature.

### "Allowings expansion

Further inspection equipmen is now under development which, says the company, will be modular and pe-based to allow expansion to meet new applications via software, rather than by the addition of further electronic circuitry.



### ............

solved static electricity problems on its slitting and rewindextrusion line, using EX 80

SVGA computer motitor.

anti-static bars from Eltex. Supplied by Arrowquint, the bars are capable of blowing

0633 422292, fax: 0633 430041).

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From DCI you con expect o total color monagement pockoge that dromatically increases throughput, raduces stockholding and recycles whol used to be woste ink into the next press run. DCI Formulo technology cambined with Chromo-Calc assures that you dispense exactly the omaunt of ink you need when you need it.

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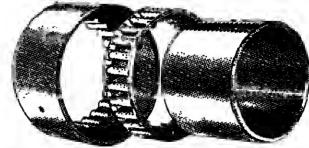
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can handle reels up to a two machines. Or BMS may be rail mounted to service n

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for application to all inter-To avoid the cumulative in- stantping techniques, Jarshire national types of corrugating

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accuracies inherent in die. fingers are CNC milled individually to be totally identical. The precision of computerised engineering gives constant flute formation, in any size and siyle. The choice of brass or phosphor bronze gives the onting of economy or extralong finger life. Enquiries to Jarshire Lid, Levels House, Bristol Way, Stoke Gardens, Slough. Tel 0753 825122. Fax 0753 694653.



Anti-static in hazardous area

Jiffy Packaging at Winsford has ionised air onto the equipment at specific points. Arrowquint is based at ing machines, and also a butane Derilwyn House, Lanib Lane, Ponthir, Newport, Gwent - tel:

PACKAGING NEWS/FEBRUARY 1994 PACKAGING NEWS/FEBRUARY 1994

# lension transducer

Narrow web label presses are a principal application for the Conticell web tension transducer introduced by CMC (Europe) for 50 to 450mm widths.

The unit, which accepts either existing or purpose-built rollers, has a standard four-bolt fixing to the machine frame and is available in several force ratings for applications in which web tensions ranging from 50 to 3000N are required.

### Errors eliminated

Errors in output signal as a result of either web path shift or width variations across the roller are eliminated by the sliear force design, says CMC (Arctic House, Rye Lane, Dunton Green, Sevenoaks, Kent - 1el: 0732 451007, fax: 0732 456582).

Also introduced by the company is a range of tension indicators offering analogue and digital display together with a dual range allowing use at high tension but with sensinivity retained at low tensions.

These operate with a new series of unwind, intermediate and rewind controllers which are readily retrofitted to existing machinery, says CMC.

CMC (Europe) Ltd.

UK's leading web tension specialists, have already

many applications in the wal-

and cable industries, where

product tension, has brough!

accurale control of the

mmediate savings, and

improved quality.

The range of materials successfully handled vary from tissue and other

delicate webs, to steel strip

Thesa well proven trans-

and webs up to 5 metres

2000 SERIES AIRSHAFT

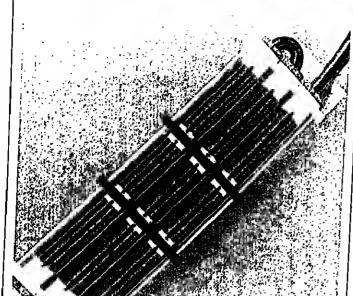
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7 Dey delivery Bervice evalleble

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# Anti-static on wide webs

An anti-static bar that can be supplied in lengths up to 8 nietres for operation on webs running at over 1200 metres a ininute has been introduced by The Process Control Co.

The X-Stat PM-PU bars use a high tension system with fully screened conduit to ensure minimal power loss over cable lengths in excess of 10 incures, says the company

(Griffin Lane, Aylesbury, Bucks - 1cl: 0296 84877, fax: 0296 393122). The bars are capable of neutralising static at a range of over 600mm.

A skeletal design is employed to ensure that process debris does not interfere with performance and can be readily cleaned off.

Analysis of defects such as holes, spots or creases in high speed webs of paper, film or foil is provided by the model 145 Analyser, introduced by NAIS Automated Inspection Systems to operate with its model 132 web inspection system.

WEB CONTROL AND INSPECTION

The 145 Analyser is able to differentiale between different defects, record their position and signal edge markers or Jab inseriers to indicate areas for splicing. A full print-ons is produced, with analysis by number of defects in a given area, type of defect, and in

terms of time and the distance between them. Operating speed is up to 6000 feet a minute, says NAIS (Curner of Worthing Road and New Road, Horsham, Sussex - tel: 0403 730792, fax: 0403 730790).

Defects can be spotted,

marked and analysed

Warns of any rise in

On paper machines in particular, the Analyser allows any rise in defects to be trended and used to warn of an inui-

The system operates with the NAIS 132 weh inspection nrachine which uses a non-contact inspection head with photocells to detect blemiste or holes down to the equivalent of a 0.25mm diameter black spot on white.

Elevated defects such a lumps, creases or indentations are detected by one-sided flumination that casts a shadow and creates a contrast in colour. For further K2 Call for details information 605 0839 77268

### Inspection by Thickness gauged video camera

A video web inspection system which, in its basic form, sells for less than £8000, is now being built by Scan Systems.

Called the Webscan, it offers number of options, says Scan Systems (Adswood Ind. Est., Stockport, Ches - tel: 061-477 7750, fax: 061-480 0037). For further K2 Gall for detail information 609 0839 7722

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coatings, is now available in the Tension Specialists for the Converting Industry UK from NDC Systems. The probe, which can be mounted on a motorised carriage to scan across the weh width, is said to cost less than gauges that use a transmission technique, and to be simple to install. It measures 50mm in diameter, 260mm long.

In operation, the unit detects those photons from a small radioactive isotope backscattered from the web at 180deg in direct proportion to mass. This is then converted to a read-out in units such as gsm

A patenied system, which allows the unit to reference from the gamma source itself,

supply variations, points on NDC Systems (3 The Galloway Centre, Hambridge Lane, Newbury, Berks - tel 0t;35 522800, fax: 0635 582888). Typical measuring accuracy is said to be better than 0.5 per cent of reading, depending on application and averaging time.

# "Changes in

The NDC probe is unaffected by changes in colour, composition or opacity and, since it operates from one side only, can he used tis measure thickness against a steel rail. Software automatically zeros out any backscatter from the roll itself.



### from one side only A thickness probe that uses the maintains accuracy by provid-Compton Photon Backscatter ing amornatic adjustment in the principle to operate from one event of temperature or power side of the web only, for applications in extrusion conting, laminating, hot melt and other

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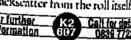
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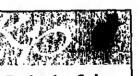
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All replies should be sent to the Consultant responsible for this assignment. Confidentiality is essured with no names released to the Client without permission.

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